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THE ROBERT B. BALTER COMPANY®

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April 22, 2013

David E. Dise, Director  
Department of General Services  
Montgomery County, Maryland  
101 Monroe Street, 9th Floor  
Rockville, MD 20850

Re: **Response to KCE Report Dated March 15, 2013**  
**Silver Spring Transit Center Project**  
**8404 Colesville Road**  
**Silver Spring, Maryland 20910**

Dear Mr. Dise:

The Robert B. Balter Company (Balter) has reviewed the report prepared by KCE Structural Engineers, PC (KCE) dated March 15, 2013 regarding the Silver Spring Transit Center. The conclusions made in the report as they relate to Balter are largely based on insufficient information, inappropriate speculation, and a lack of understanding of Balter's scope of services.

Pursuant to its contract with Montgomery County, Balter's job was to inspect and test certain portions of the construction work being performed, as defined by the Statement of Special Inspections, and to report any deficiencies observed. Balter was not the designer of the Project; the reviewer of the Contractor's shop drawings; or the Contractor's quality control consultant.

Balter did in fact do what it was contractually required to do. It performed the tests required by its contract; promptly reported construction deficiencies which it observed during the construction process to the appropriate parties and provided all required reports to the County officials.

When appropriate, Balter personnel did, in fact, raise concerns about construction not being in accordance with contract requirements and identified to Montgomery County, WMATA, Parsons Brinckerhoff (PB) and Foulger Pratt (FP) these non-compliant issues. At all times, Balter personnel performed its services in accordance with Industry Standards, its Contract and the Statement (Schedule) of Special Inspections.

In summary, Balter's services were provided as directed by Montgomery County and as agreed to by WMATA, and in accordance with the requirements as defined in the project documents, including the project specifications and the Schedule of Special Inspections. All concrete testing in the field by Balter was performed by its certified technicians.

Concrete samples were transported in accordance with industry standards and tested by Balter's nationally accredited laboratory staffed with certified lab technicians.

Listed below are comments addressing selected text (in italics and quotes) from KCE's report. This letter does not address every one of the erroneous conclusions set forth in the KCE report. Rather, it addresses a representative sample of such conclusions. As supporting information for our responses, the Appendix includes a three-month sample, covering December 2010-February 2011, of the documents provided by Balter.

*Page 5. "The inspection efforts performed during construction on the Project were not per the Contract Document requirements..."*

Balter's testing and inspection services were in fact performed in accordance with the Contract Documents and the Schedule of Special Inspections. Balter's services were performed under the continuous scrutiny of, and in coordination with representatives from Montgomery County and WMATA.

*Page 6. "Pour Strip Slabs. The East and West Pour Strips on Level 330 were constructed without post tensioning. In addition, the pour strips at the West end of the facility at Level 330 was constructed without reinforcing steel to control temperature and shrinkage forces."*

The structural drawings indicate that post tensioning and mild steel detailing for the Pour Strips shall be approved by the designer and shall be the responsibility of the post tensioning contractor. The contractor submitted shop drawings to the designer, PB. Those shop drawings were approved by PB and presumably contained all necessary engineering comments and requirements. Balter was neither the designer nor was it hired to review and approve shop drawings. Balter utilized both Faccina's and FP's shop drawings during the pour slab inspections. The work was to be performed in accordance with the approved shop drawings. Any discrepancies between the work and the approved shop drawings were commented on by Balter. The items complained about by KCE were not reflected in the approved shop drawings. Balter was not responsible for any omissions in the shop drawings.

*Page 11. "Our team initially also included:*

- *American Petrographic Services, Inc. (APS) – concrete and grout materials testing*
- *RJ Lee Group (RJ Lee) – concrete material testing to calibrate the Service Life Model*
- *Rice Associates, Inc. (Rice) – three-dimensional scans and survey of the elevated slabs*

*We then added:*

- *The Erlin Company (TEC) – concrete materials testing*
- *Universal Construction Testing Limited (UCT) – concrete materials testing:*



- *Janney Technical Center (JTC) (WJE) – concrete materials testing and statistical evaluation (note: enclosed JTC petrographic and compressive reports are on WJE stationery)*

KCE has noted the entities who performed the tests reflected in its Report. In order to have a reasonable degree of confidence in the test results, testing agencies performing tests and analyses on the concrete samples should have been accredited to perform these services. The firms listed above were utilized by KCE to test the concrete samples, but not all of the KCE utilized firms were accredited to perform these tests.

*Page 16. The Contract Documents also require that stressing of 50% of the post-tensioning be accomplished within 96 hours of a pour. We can find no information in the RBB reports to determine if those limitations were followed.*

This statement in the second sentence is grossly misleading, and appears to suggest that the contractor utilized incorrect construction methods based solely on the faulty logic of “We can find no information”. Balter was not required to document every instance when the contractor properly performed work. Rather, Balter’s personnel were to document non-compliances observed by Balter field personnel. Project conditions which complied with the project requirements were not routinely reported. Thus, the proper inference from the fact that “we can find no information” should not have been that the work was improperly performed, but rather that it was properly performed without noted deviations. The stressing program was followed and any observed deviations from the stressing program would have been noted on a non-compliance notice sent to and approved by PB.

*Page 16. “Although another 8,000 psi concrete mix (8k2DC4NL) was submitted, we cannot find reference in RBB reports as to where it was placed.”*

Multiple mix designs were submitted by the supplier for this project, and most were not used. The concrete mix used for each pour was included on each of Balter’s compressive strength test reports for every set sampled. Concrete tickets, field data, etc. were distributed to Montgomery County, WMATA and FP during construction.

It is our present understanding that the concrete mix actually used for the slabs and columns (8K2DC2NL) and approved by PB, was not supported by any historical or trial batch compressive strength data. Instead, Rockville submitted historical data for a different mix design (8K25NL). The submitted data indicated a very high compressive strength of 12,360 psi, but it was for a mix that excluded a DCI-S corrosion inhibitor (part of the approved mix). The extent to which this is significant is unknown and beyond Balter’s contractual responsibility.

*Page 18. "Apparently not all of the RBB inspectors had the certificates required of them by the County... We have no information regarding the post-tensioning inspector's experience of PTI certifications required for inspectors."*

This statement is completely erroneous. Balter's inspectors did have the required certifications. Concrete and Post Tensioning (PT) experience and certifications were submitted for each inspector who was subsequently confirmed by Montgomery County prior to the work. Applicable technician certifications are included in Appendix A.

*Page 18. "There were numerous deficiency lists generated and referenced by RBB but we have found only three within the items provided."*

We cannot understand why KCE could only find three deficiency lists, when in fact dozens of deficiency lists were prepared by Balter and included with each special inspection report, and submitted to Montgomery County, WMATA, PB and FP approximately every other week. These non-compliance lists evolved and were updated over time. In addition, lists of pre-pour non-compliances (punch lists) were utilized to address minor items prior to the concrete pours. The non-compliances on the pre-pour lists were resolved prior to each pour. The non-compliance lists associated with the representative 3-month period are included in Appendix B. The punch lists are included in the Pre-Pour Forms, which are included in Appendix C. Why KCE did not bother to request this information from Balter before issuing a report based on insufficient information is a mystery to Balter.

*Page 19. "There are notations in the RBB reports of cold joints forming in the concrete as shown in jobsite photographs (Attachment 13) (i.e., concrete hardening not at a pre-planned joint) without indications as to the resolution of those unplanned joints, only that stressing was delayed."*

Conditions which may have resulted in the formation of cold joints were brought to the attention of the concrete contractor, Montgomery County, and FP. If a potential cold joint situation was observed, the contractor was informed and field procedures were typically modified to prevent cold joints. An example of one cold joint which was not prevented was on March 29, 2011. In this case, Balter observed a potential cold joint and notified FP and Montgomery County. The contractor chose to continue the pour. Montgomery County was notified and the issue was forwarded to PB. PB's resolution was to proceed with the stressing with caution.

*Page 19. "We can find only one inspection report in those supplied with notation of formwork inspection required of RBB, and then without detail."*

Again, we cannot understand why KCE could only find one report which addressed formwork inspection. As required, the concrete forms were inspected

by Balter. The forms were inspected to the degree they could be inspected, which included the formwork support system and the formwork around the perimeter of each pour. The thickness of the slab at points away from the perimeter could not be measured without survey equipment, which was the responsibility of the contractor. Formwork inspection is included as an item on the Post Tensioned Concrete Deck Inspection Report. This information was included in Balter's reports for each pour, all of which were distributed to Montgomery County, WMATA, PB and FP during construction. Regarding the level of detail reported, project conditions which complied with the project requirements were not routinely reported.

*Page 19. "Despite project requirements, we can find no record of measurement of slab thickness, in situ clear cover determination, or of the deck finishing process in the RBB reports presented to us."*

Balter's inspections during the preparation of the reinforced concrete pours were performed in accordance with the project requirements, including concrete clear cover measurements as measured in the field. The cover for the reinforcing steel and the tendons were field verified by measuring the distance from the bottom form to the top of the reinforcement. This information was included in Balter's reports and were also distributed to Montgomery County, WMATA, FP and PB during construction.

*Page 19. "We can find only several notations in the RBB daily reports regarding the concrete curing process used as to methods and/or time, and only limited records of in situ concrete deck temperatures. Also, there are no notations as to above slab wind break installation."*

Concrete protection during cold weather was inspected by Balter as indicated in its reports. Wind breaks were utilized when required. Concrete temperatures were typically monitored for two or three days after each pour using a high low thermometer. Project conditions which complied with the project requirements were not routinely reported. Non-compliances observed by field personnel were noted. This information was included in Balter's reports and was also distributed to Montgomery County, WMATA, FP and PB during construction.

*Page 19. "We found no RBB inspection reports of the installation of the evaporation retarder called for or the curing compound called for, nor for any deck curing methods used in the non-winter months."*

Project conditions which complied with the project requirements were not routinely reported.

*Page 19. "There are several Project photographs that show workers using procedures that are not approved for winter concreting. Attachment 14 shows a worker spraying something, presumably an evaporation retarder or curing compound, on the concrete*

*slab while walking on it. Another photograph shows a worker using a Rosebud acetylene torch (Attachment 14A) in an apparent attempt to heat epoxy coated reinforcing before a pour. In a third photograph, a worker is apparently applying some type of deicer on the reinforcing steel."*

There is no certainty of what activities are portrayed in these photographs. General Conclusions of the type made by KCE cannot appropriately be drawn from 3 isolated photos.

*Page 20. "There apparently were also "companion" cylinders made. We do not know who tested the "companion" cylinders (we have no results). It is generally the concrete supplier who takes and tests them."*

As directed by Montgomery County and as agreed to by WMATA, Balter cast sets of 6 "comparison" cylinders on the deck at the end of the concrete pump hose. The cylinders were then field cured on the deck (in a box to represent conditions of the slab under blankets) and then transported to the laboratory for compressive strength testing. The results were then forwarded to Montgomery County, WMATA, FP and PB. The term "companion" was used in the Schedule of Special Inspections to indicate the correlation between field cured and laboratory cured cylinders. Balter did not use the term "companion" to refer to the field cured cylinders.

*Page 20. "We understand of the trucks to be tested (1 in 5), the first one that entered the site went directly to the RBB "testing" station at grade, while the next four went directly to the pump."*

KCE failed to provide any basis for its "understanding" about the trucks. In fact, contrary to KCE's understanding, the concrete trucks did not go directly to the pump. Each truck was sent to the testing station, and its tickets checked to confirm the proper mix. The concrete was then observed by the Faccina QC representative for apparent slump. Balter recorded the amount of water added, if any, to the loads which were sampled. At the pump, Balter monitored the amount of water added to the loads which were not sampled, to observe that the amount added did not exceed the holdback amount.

*Page 20. "Thereafter, one in five went to the testing station, and four went directly to the pump. Based on visual observations, we understand, RBB (possibly with the contractor present) determined if water needed to be added. (NB: It is not Industry Standard for the testing agency to determine if water is to be added or in what quantity. It is generally the concrete superintendent.)"*

Again, KCE's understanding is incorrect. The Quality Control representative from Faccina was present during each pour and estimated the slump of each load. Balter would then confirm that the amount of water added did not exceed the allowed holdback amount for each load. The amount of water added to each load



sampled was recorded. The QC manager from Faccina directed the water to be added.

*Page 20. "Then concrete from the truck being sampled was sampled for air content, slump measured, and cylinders taken (unclear if before or after water was added, if it was added at all). RBB also noted the ambient air temperature when each of 5 trucks was sampled. The tested truck then moved to the pump hopper and the concrete was then chuted into the hopper and pumped to the point of deposit."*

Air content, slump and cylinders were sampled after any holdback water was added. The amount of water added to each load sampled was recorded. Balter did not direct the addition of water to the concrete. The inspections were performed in accordance with the Schedule of Special Inspections and the project specifications.

*Page 20. "We understand that RBB was present at the location where other four trucks of the five truck set where the concrete was discharged into the pump and RBB visually determined (see notation above for Industry Standard) if and directed how much water could be added. We do not know if RBB took slumps to make that determination or actually noted the water withheld at the plant vs. that added or on what basis, if they in fact did so, RBB made the determination as to the amount of water that could be added."*

This "understanding" is factually incorrect. Balter did not direct the addition of water to the concrete. The tickets were reviewed to confirm the holdback water quantity and to confirm that excess water was not added.

*Page 20/21. "We understand all parties at some point in time agreed that on a random basis, 3 times per pour (once near the beginning, once in the middle, and once near the end of each pour), i.e., once every 20-30 (10) yard trucks, 3 additional cylinders (not known if a set or not) were to be taken at the point of discharge on the deck and left on an adjacent pour to be cured as the concrete being poured would be cured. There are notations in RBB reports that those cylinders were at times placed in a curing box."*

As directed by Montgomery County and as agreed to by WMATA and PB at the pre-pour meeting, Balter cast sets of 6 "comparison" cylinders on the deck at the end of the concrete pump hose. The cylinders were then field cured on the deck (in a box to represent conditions of the slab under blankets) and then transported to the laboratory for compressive strength testing. The results were then forwarded to Montgomery County, WMATA, FP and PB. The term "companion" was used in the Schedule of Special Inspections to indicate the correlation between field cured and laboratory cured cylinders. Balter did not use the term "companion" to refer to the field cured cylinders.

*Page 21. "RBB apparently did not test unit weight of the concrete."*

Unit weight tests were not required in the project specifications or in the Schedule of Special Inspections.

*Page 21. "RBB was to visit the concrete batch plant but we could find no reports of these visits in the information provided."*

We cannot understand why KCE could "find no reports" of Balter's concrete batch plant inspection. Balter performed an inspection of the Lafarge concrete plant and distributed the report with the bi-weekly submittals to Montgomery County, WMATA, FP, and PB. The batch plant inspection report is included in Appendix D. As Montgomery County knows, Balter requested inspection of Rockville Fuel and Feed's plant several times, but authorization was never granted.

*Page 21. "The water/cement ratio of the concrete is not noted by RBB on their daily field reports but at times, the reports indicate it was measured, which it cannot be, as it is a calculated value based on material quantities noted on the concrete batch tickets and we have been provided no such calculations."*

The water/cement (w/c) ratio was recorded, not measured, from the supplier's tickets for each load sampled. The w/c ratio was also reported on the compressive strength test reports. Any water added to the loads sampled was also recorded and reported. Balter was not required to, and did not, calculate the w/c ratio for each load. The reported information was distributed to Montgomery County, WMATA, FP and PB.

*Page 21. "Cylinders that were field cured (not known if cured on deck or at the testing station) are marked FC in RBB compression strength test reports, but we see no notation to differentiate deck cured vs. testing station cured."*

Field-cured cylinders were stored either on the deck or onsite near the trailers as directed by Montgomery County and as agreed to by WMATA. To differentiate between the slab field cured and the ground field-cured cylinders, the cylinders which were stored on the deck (in a box to represent conditions of the slab under blankets) were noted as "comparison" on the compressive strength test reports. After field curing, the cylinders were transported to Balter's lab for compressive strength testing. The field storage location was agreed to by Montgomery County and WMATA.

*Page 21. "The time from the beginning of mixing to the beginning of the offloading was not noted in the RBB reports (but 90 minutes is generally the maximum time allowed from batch mixing to concrete placement in non-hot weather conditions)."*

The batch to discharge time was closely monitored to limit excessive mixing time. Montgomery County and WMATA allowed a deviation of 10 to 15 minutes to the time limitation (not in hot weather), provided the concrete did not appear to

change consistency. Loads which exceeded the allowed time were rejected. If the load time was in conformance with project requirements, it was not noted.

*Page 21. "Truck delivery tickets were attached to only a few of the handwritten RBB reports we received, with an even more limited number of batch tickets attached to those reports, making evaluation of certain aspects of concrete material quantities and placement conditions difficult."*

We cannot understand why KCE did not review the available tickets. The concrete supplier's tickets and batch information of the loads sampled were e-mailed daily by FP to Montgomery County, WMATA and Balter. Examples of the delivery and batch tickets for the 3 month sample time period are included in Appendix E.

*Page 21. "Since only a few of the batch tickets (which showed the amount of water that could be added in the field) were attached to the field reports that we received, we cannot determine the quantity of water added as compared to what could be added within the approved mix parameter requirements."*

KCE seems to have relied on its review of a "few" of the batch tickets. In fact, FP distributed by e-mail hundreds of batch tickets to Montgomery County, WMATA and Balter during the course of construction.

*Page 21. "(We do note there was a notation in the RBB reports of the water gauge on truck(s) being broken at times.)"*

As directed by Montgomery County and as agreed to by WMATA, trucks with broken water gauges were not allowed to return to the site.

*Page 21. "The RBB reports did note in their daily reports when water was added to some of the one in five trucks they sampled, (we do not know if this was repeated on the next four trucks of the five as we have no reports of observation of those in what was provided). There is no way to determine if the amount of water added, if any, was acceptable without knowing the amount withheld, as there is no indication of the quantity of water withheld without batch tickets or added for many of the one in five trucks and for none of the 80% of the trucks beyond the ones actually tested."*

Balter's inspectors were at the testing station and also at the concrete pump. The inspector at the pump monitored the amount of water added, if any, to observe that the amount added did not exceed the holdback amount. The holdback information was on each ticket, and the amount of water added was noted on the tickets for the loads sampled by Balter. These records have previously been distributed to Montgomery County, WMATA and FP.

*Page 22. "In a limited number of their daily inspection reports, RBB indicated that water was added to the concrete in the truck, but there was, however, insufficient information*

*(i.e., batch tickets) provided to determine the amount of water withheld at the plant. If more water is added than the quantity withheld, the concrete as placed can be made substantially weaker than the mix design."*

The holdback information was on each batch ticket, and the amount of water added was noted on the tickets for the loads sampled by Balter. The amount of water added to each unsampled load was not recorded if within project requirements. These records have previously been distributed to Montgomery County, WMATA and FP.

*Page 22. "RBB also notes on their daily reports at times, wide variability in the amount of entrained air and at times note Fritz packs were thrown into the truck being tested (one in five) to add air.*

*Because testing was performed on only one of five trucks, there is no way to know what was added to or the cylinder strength for the other 80% of the concrete placed in a given pour regarding air or added water, and in fact, concrete strength."*

The specified rate of testing was to test every 50 cubic yards of concrete, which is approximately 1 out of 5 trucks. When low air content was found, Fritz packs were added. Concrete loads with a low air content, as determined by our tests, were a rare occurrence. If the initial air content of a load was not within specification, the load was corrected if possible, and the subsequent 1 or 2 loads were tested to confirm that the air content was within specification. Loads with air contents out of specification were rejected.

In addition, a high level of quality assurance was provided with regard to the amount of water added, if any, to the concrete loads. Several layers of observation occurred during the large concrete pours, including Balter, the supplier, FP, Montgomery County, and WMATA. Balter monitored the amount of water added to the loads which were not sampled, to observe that the amount added did not exceed the holdback amount.

Balter was only required to test the concrete from approximately 20% of the trucks. If KCE is criticizing the fact that 80% of the concrete was not tested, that decision was not made by Balter.

*Page 22. "However, it is interesting to note in the RBB concrete compressive cylinder break reports indicating the cylinder compressive strengths at the various testing dates, curing days 3, 7, 28, and limited cylinders held for 56 (aka 58), at times cylinders for testing at five days), the water/cement ratio is noted as being between 0.24-0.26, (0.28 is the theoretical minimum water/cement ratio that would be required for 100% cementitious material hydration) but there are several with 09.26 (which we believe is typographical error)."*

The reported w/c ratio of 09.26 should read 0.26 (typographical error).



*Page 22. "We believe the 0.24-0.26 number may have been an entered default number used in the compressive strength test results form preparation that should have been calculated for each cylinder set based on material quantities taken from batch tickets and after added water. The same range of number appears apparently regardless of whether or not water was added in the field when noted in RBB reports. (NB: the approved mix design had a water/cement ratio of 0.29.)"*

KCE's belief that 0.24-0.26 was an entered default number is again incorrect. Balter's reports did not include a default w/c ratio. The w/c ratio was recorded from the supplier's tickets for each load sampled. In addition, the w/c ratio was also reported on the compressive strength test reports. Furthermore, any water added at the site was also recorded and reported. Balter was not required, and did not, calculate the w/c ratio for each load. KCE improperly assumed that the w/c ratio on the report was calculated by Balter instead of Balter only reporting a w/c ratio that was provided by the supplier. The reported information was distributed to Montgomery County, WMATA, FP and PB.

*Page 22. "We also believe the .24-.26 range is not consistent with the slumps as RBB reported, presumably after a high range water reducer was added per the approved mix design. In fact if the water/cement ratio was .24-.26, it is our opinion the concrete would have been very difficult to pump and even harder to finish and would not have permitted complete hydration to occur."*

In fact, the w/c ratio was recorded from the information provided by the supplier and, the slump tests were performed correctly by certified technicians. In addition, Balter's services were done under the continuous scrutiny of, and in coordination with representatives from Montgomery County, WMATA, and the design team. Balter was not responsible for the mix design or approval of the mix design. There is no confirmation that the w/c ratio provided by the supplier is correct.

*Page. 23. "The RBB daily reports indicate the concrete used for cylinders was taken for the most part from the concrete trucks prior to pumping and was not sampled from the deck at the pump discharge. In addition, testing reports are not clear as to whether water was added to the mix after the concrete sample was taken."*

Based on Balter's observations, water was not added after the samples were obtained. Balter monitored the amount of water added to the loads to observe that the amount added did not exceed the holdback amount.

*Page 23/24. "The actual amounts of water added to the mix at the time of construction and after the concrete was sampled are not known, except of limited trucks. As a result, concrete placed on the SSTC deck would have a differing water/cement ratio than that of concrete being used to make the concrete cylinders, and consequently, compressive strengths that would be lower than that of the cylinders."*

The assumptions on which KCE bases its conclusion are incorrect and inaccurate. Based on Balter's observations, water was not added to the mix after sampling. Each truck was sent to the testing station, its tickets checked to confirm the proper mix. The concrete was then observed by the Faccina QC representative for apparent slump. Balter recorded the amount of water added to the loads which were sampled, if any, and also monitored the amount of water added to the loads which were not sampled, to observe that the amount added did not exceed the holdback amount. Sampling and testing were performed after any water was added to the load.

*Page 24. "Construction records indicate that the contractor heated the slab from the level below, provided thermal breaks around the slab formwork below, and then placed plastic sheeting over the top of the slab with insulating blankets over the plastic sheeting. There is no record of wind breaks above the slabs."*

As the specifications require, wind breaks were utilized at times when needed. Balter did not note the use of proper cold weather protection and did not note every other detail of construction which was properly constructed and in compliance with the project requirements.

*Page 25. "A number of pours were started and continued when temperatures were less than 32F and as low as 15F, based on RBB reports."*

*Inspection records received indicate that concrete temperature on the deck was measured for several pours and only at day 3 by means of a thermometer placed on the top surface of the concrete slab (under the plastic sheeting). The internal temperature of the concrete was not monitored during placement based on the reports provided, or subsequent days before the temperature measurement on day 3."*

A high-low thermometer was utilized on the concrete deck below the plastic and blankets for two or three days after pours in cold weather. The temperature of the loads sampled was also recorded. These records were distributed to Montgomery County, WMATA, FP and PB. Representative records are included in Appendix F. Monitoring the internal temperature of the concrete was not required by the project documents.

*Page 25. ACI 306 also states that a structure with SSTC fs service category should be protected for 6 days when Type I or II cement is used, unless an additional 100 lbs/yd<sup>3</sup> of cement is used in the mix, of which we have no record. In that case, protection can be removed after four days. Construction records indicate that plastic sheeting and insulation were removed from the structure after 3 days on one pour and an unknown time for other pours as reported in the information provided.*

It is not known if the mix design incorporated enough cement to address this factor. Mix design approval was not Balter's responsibility.

The blankets were typically left on the deck for a week, and sometimes for several weeks. Blankets were sometimes removed if the ambient temperature was above the cold weather limits.

*Page 27. "The RBB daily handwritten reports were followed by typed daily reports and then general monthly summaries.*

*The handwritten daily reports have numerous notations of deficiency lists of work to be corrected prior to concrete being poured, but we have seen only three in the information provided."*

Some of the daily reports were handwritten, and other reports from different field technicians were typed. Contrary to KCE's assumption, the daily reports were not followed by typed daily reports.

We do not understand why KCE did not review the non-compliance lists which were included with each summary report and previously distributed. In addition, lists of temporary non-compliances (punch lists) were utilized to address minor items prior to the concrete pours. The non-compliances on these lists were resolved prior to each pour, and the list of resolved items was not included in Balter's daily reports. Representative deficiency lists are included in Appendix B.

*Page 27. "Pour cards (i.e., "sign off" approvals were prepared and initialed by RBB and in some cases subcontractors) to indicate a deck was ready for a pour (we have only seen several of those reports in the information provided)."*

Pre-pour forms were completed and submitted prior to each pour. These forms included:

- Field Observation Comments (used as one of the punch lists), which was compiled by PB and the completed items checked off by Balter and Faccina.
- The Post Tensioned Concrete Deck Inspection Report was prepared prior to each pour by Balter.
- The Pre-Pour Punch List prepared by Balter.

All non-compliances were corrected prior to each pour. These documents were distributed to Montgomery County, WMATA, FP and PB. Representative pre-pour records are included in Appendix C.

*Page 27. "Tendon count forms were produced by RBB to verify the correct number of post-tensioning tendons had been installed correctly. However, we have only seen several of those reports in the information provided.*

*We understand the stressing elongation reports were submitted to PB for approval prior to cutting the post-tensioning tails and subsequent grouting, but we have only found limited reports of such approval in the information provided."*

Tendon count forms and elongation reports were used and submitted for each PT inspection. The reported information was distributed to Montgomery County, WMATA, FP and PB. Representative tendon count forms are included in Appendix G.

*Page 27. "Note: the use of cylinder test results to determine early concrete strength for stressing and formwork removal (where taken) may have indicated a strength where formwork stripping and stressing could occur but the cylinders may have recorded incorrect results for the reasons noted herein."*

Balter disagrees with this conclusion, as it appears to be based on speculation and a lack of facts. The cylinders were prepared properly by Balter's certified technicians under the observation of several layers of quality control, including Montgomery County and WMATA. The cylinders were prepared as specified and as directed by Montgomery County and as agreed to by WMATA. The cylinders were tested by Balter's accredited laboratory and results were reported correctly.

*Page 39. "Table 2. Entrained Air Content: As-Built Per RBB field reports: 4%-6.5% but some as low as 2%"*

Loads with air contents below the specified range were either corrected with Fritz Packs and retested for compliance, or were rejected. Loads with low air contents were rare at this project. Balter noted when Fritz packs were added. If the initial air content of a load was not within specification, the load was corrected or rejected, and the subsequent 1 or 2 loads were tested to confirm that the air content was within specification.

It is important to note the differences between field tests on fresh concrete for air content, and microscopic examination for air content. It is our present understanding that KCE's incorrect approach directly compares the air content (entrapped and entrained air) from our field testing to the entrained air as estimated by the petrographers. KCE failed to fully consider all aspects of the data and sample and test differences, with no consideration for the different characteristics in their report.

*Page 40. "Table 3. Water/Cement Ratio: Per RBB Compressive Strength Test Results: 0.24-0.26"*

The information presented in Table 3 seems to imply that the data should correlate. That inference is simply incorrect. It is misleading to compare the w/c ratio provided by the concrete supplier and the w/c ratio estimated by the



petrographers, as the w/c ratio provided by the supplier does not account for any holdback water which may have been added at the site. The w/c ratio was recorded from the supplier's tickets for each load sampled. The w/c ratio was also reported on the compressive strength test reports. Any water added at the site was also recorded and reported. Balter was not required to, and did not, calculate the w/c ratio for each load. There was no attempt by KCE to investigate or confirm if the information (w/c, water content, etc.) from the supplier was correct.

*Page 40. "Table 4. Slab Concrete Strength"*

It is misleading to include the compressive strength testing resulting from Balter's concrete cylinders and the compressive strength testing resulting from concrete cores sampled from the structure. This information is provided in a way which suggests that the test results should be directly compared, which they should not.

It is our present understanding that the cores include micro-cracking, as reported in the KCE's petrographic reports. This may have been exacerbated during extensive handling and long distance shipping of the cores. Such cores would be expected to exhibit lower strength than the concrete cylinders, and should not be assumed to represent the true design strength of the concrete. However, KCE made no attempt to evaluate those circumstances.

*Page 75. "2. The petrographic examinations of the concrete samples extracted from the deck yielded variable water/cement results depending on the location sampled. It is our opinion that the variability of the water/cement ratio is related to the addition of water to individual truck batches of concrete for workability during construction as described herein."*

The water/cement ratio from the tickets was recorded and included on each compressive strength report, and the amount of water added at the site, if any, was also included on the compressive strength reports. These documents were distributed to Montgomery County, WMATA, FP and PB. In addition, each load of concrete was monitored to observe that any water added did not exceed the allowed holdback amount. If water within limits has created problems indicated, that responsibility does not lie within inspection and testing by Balter.

*Page 75. "4. Water/Cement Ratio and Unhydrated Cementitious Material The water/cement ratio is substantially higher than the approved design mix and is indicative of water in the mix as delivered being added at the site see Table 18."*

Balter disagrees with this conclusion, which appears to be based on incorrect assumptions, speculation and a lack of facts. KCE's conclusion that water must have been added at the site is unfounded. There was a high level of control of the amount of water added at the site. There was no confirmation that the water in the supplied concrete actually conformed to the design mix as reported on tickets provided by the supplier.

Each truck was sent to the testing station, and its tickets checked to confirm the proper mix. The concrete was then observed by the Faccina QC representative for apparent slump. Balter recorded the amount of water added to the loads which were sampled, if any, and also monitored the amount of water added to the loads which were not sampled, to confirm that the amount added did not exceed the holdback amount. Sampling and testing were performed after any water was added to the load.

KCE has also asserted that the presence of unhydrated materials (cement and slag) observed in some petrographic examinations indicates that the hydration reaction was arrested and not complete. They further speculate that this resulted from cold-weather concrete placement and imply that poor protection caused the effect. However, as their own sub-consultant (The Erlin Company) points out, unhydrated materials are an anticipated consequence of low water/cement ratios in the concrete. Relying on this condition as an indication of poor cold weather procedures is another case of KCE's inaccurate and selective evaluation of the data.

*Page 76. "The concrete cylinders after being molded, we are told, were stored in curing boxes, and therefore experienced a substantially different environment than the concrete in the slabs."*

As directed by Montgomery County and agreed to by WMATA, the field-cured cylinders were either cast on the deck and stored on the deck (in a box to represent conditions of the slab under blankets), or were cast at the testing station and stored near the field trailers. If that created a different environment, which we don't expect, Balter was following the direction of Montgomery County.

*Page 99. "The in situ conditions at SSTC have been caused in varying degrees by errors and omissions of the designer, PB (Parsons Brinckerhoff), the contractor, FP (Foulger-Pratt Contracting, LLC) and its subcontractors, and the inspection and materials testing firm and Special Inspections Program Special Inspector, RBB (The Robert B. Balter Company)."*

Balter disagrees with this conclusion as it relates to its services. Balter's work was performed in accordance with the Schedule of Special Inspections and the project specifications. Balter's field work was performed by certified technicians; Balter's laboratory work was performed by certified lab technicians in Balter's nationally accredited laboratory.

*Page 99. "B. Based on our review of the information provided, the independent inspectors, Special Inspections Program Special Inspector, Quality Assurance, Quality Control, etc., did not raise sufficient concern regarding the numerous issues that were known and/or became visible in the concrete during construction, apparently did not*

*follow up on solutions to those issues, and did not perform their services in accordance with Industry Standard, their Contract, or the Statement of Special Inspections."*

Balter did perform in accordance with the referenced documents, and any observed deficiencies in the construction work performed by the Contractor and its subcontractors were promptly brought to the attention of Montgomery County and FP.

**KCE's conclusions about Balter's performance of services are unfounded and without merit. KCE's apparent reliance upon incomplete information, KCE's reliance upon faulty assumptions and understandings instead of facts, KCE's failure to recognize the limits of Balter's responsibilities under applicable contracts and KCE's failure to request and receive critical information related to Balter's services all contributed to an incorrect assessment by KCE of Balter's work.**

Balter looks forward to a positive resolution to the misleading and inaccurate facts and conclusions made by KCE in its report, and to working with the County's team to complete the Silver Spring Transit project.

Sincerely,

**THE ROBERT B. BALTER COMPANY**



Lori A. Balter  
President

Appendices:

- Appendix A - Applicable Technician Certifications
- Appendix B - Deficiency and Non-Compliance Lists (December 2010 through February 2011)
- Appendix C - Concrete Deck Pre-Pour Forms (December 2010 through February 2011)
- Appendix D - Lafarge Concrete Plant Inspection Report
- Appendix E - Concrete Delivery and Batch Tickets (December 2010 through February 2011)
- Appendix F - Concrete Deck Temperature Records (December 2010 through February 2011)
- Appendix G - Tendon Count Forms (December 2010 through February 2011)



POST-TENSIONING  
INSTITUTE®

## *Awards*

*1.2 Continuing Education Units*

*to*

***John J. Welk***

*For satisfactory completion of  
12 hours of organized instruction in Level 1  
Field Fundamentals for Unbonded Post-Tensioning*

*held at*

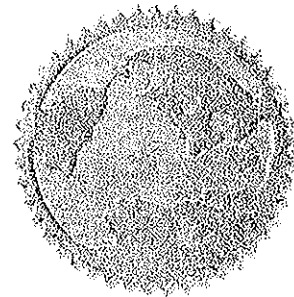
*McLean, VA*

*September 18-19, 2010*

A handwritten signature in dark ink, reading 'Theodore L. Neff'. The signature is written in a cursive style with a large, stylized 'T' and 'N'.

*Theodore L. Neff,*

*Executive Director, Post-Tensioning Institute*





**Certification Directory Entry**

John J. Welk Dundalk, MD  
Technologist ID:  
Technician ID: 127725

	<b>Awarded</b>	<b>Expires</b>
Construction Materials Testing		
Concrete, Level: I	12/17/2009	01/01/2016

[New Search](#)[Search Results](#)

**ACI Certification Results Report**  
**ACI Concrete Field Testing Technician - Grade I**

**Testing Session Information:**

Session: 122091      Exam Date: 08/15/2012      Exam Location: Crofton, MD  
ACI Sponsoring Group: Maryland Chapter ACI      Phone:(301) 694-4899 -  
Examiner of Record: Mr Ron P Terrelonge

**Examinee Information**

John J Welk  
3414 Wallford Dr  
Dundalk, MD 21222-2749

**Certification ID**

00139015

**Status Information**Certification Status: **CERTIFIED**      ACI Concrete Field Testing Technician - Grade I

Certification Issue Date:      08/15/2012 Thru 08/15/2017

**ACI Comments:**

Congratulations! You are now Certified. This is an accomplishment you can be very proud of and we will be happy to confirm this credential to anyone upon request. Enclosed is your wallet card and certificate attesting this accomplishment. In addition, a directory of all ACI Certified individuals can be found at [www.ACICertification.org](http://www.ACICertification.org).

**Required Results**

<i>Written Examination</i>	<i>PASS</i>
<i>Performance Overall</i>	<i>PASS</i>

*The Detailed Subtest Results section on next (back) page.*



An Association of Engineering Laboratories  
Inspection Agencies and Public Building Officials

# *Certificate of Qualification*

*This is to certify that*

**JOHN J. WELK**

Certification Number 8492

*Has Successfully Completed WACEL Examination Procedures  
to Become Certified as a*

**Soils Level 1 Technician**

*In Accordance With Standards and Procedures Established by the  
WACEL Quality Assurance Committee Effective Through*

*Friday, December 13, 2013*

  
Executive Director

  
Program Administrator



# Certificate of Qualification

*This is to certify that*

# JOHN J. WEIK

Certification Number C8903

*Has Successfully Completed WACEL Examination Procedures to Become Certified as a*

# Fireproofing Level I Technician

*In Accordance With Standards and Procedures Established by the  
WACEL Quality Assurance Committee Effective Through*

Thursday, April 10, 2014

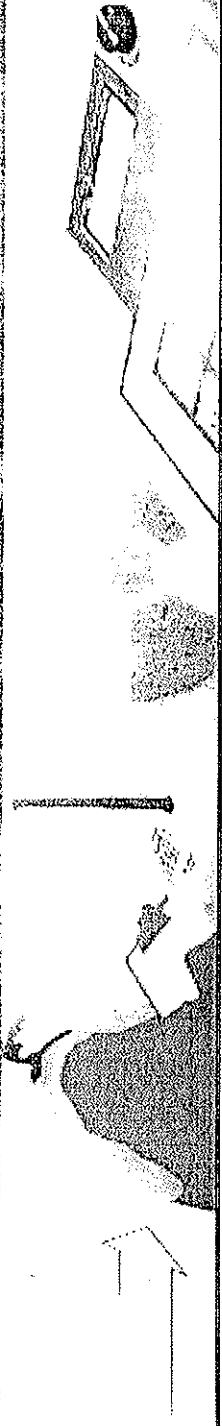
Tombs

Executive Director

Chris Horley

Program Administrator

The undersigned hereby certifies that  
 John J. Weir  
 Has Successfully Completed WACEL  
 Examination Procedures to Become Certified as a  
 Fireproofing Level 1 Technician  
 Expiration: 4/10/2014  
 CERTIFICATION SERVICE • INTERSTATE  
 LABORATORY  
 C890  
 PROGRAM ADMINISTRATOR  
 12/14/2013



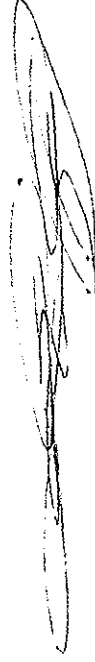
September 15, 2009

NuclearGaugeTraining.com 856-868-2387

## JOHN WELK

Has successfully completed HAZMAT refresher training in accordance with policies set forth by the following rules and regulations governing portable nuclear moisture/density gauge transportation requirements: 49CFR 172 subpart H and IATA 1.5.2.

A closed book examination was administered and a passing score was achieved. The person listed above has demonstrated a thorough understanding of all aspects needed for transportation, with specific emphasis placed on portable nuclear density gauges. Subjects included in this course include: Incident, labeling, marking, storage, security awareness, shipping, packaging, shipping documents and emergency procedures. This certificate expires 3 years from the date issued for persons who use ground transportation (company or personal vehicle, trucking company) and expires in 2 years for persons shipping through Air transportation (FedEx). Record keeping in accordance with 49CFR 172.704(d). North East Technical Services, Inc., 75 Aileron Court, Suite 4, Westminster, MD 21157.



# Commonwealth of Virginia

Department of Transportation  
Certificate of Qualification



This is to certify that ANTHONY J. LORD has successfully completed an examination administered by the Department on Quality Control and is thereby qualified in the areas listed below as a certified

## Technician

Recertification Date(s)

Name ANTHONY J. LORD Cert No. 217-76-2550

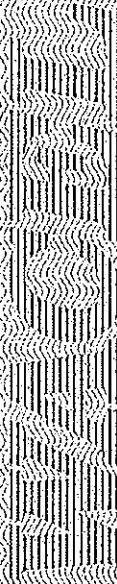
Certification	Date	Certification	Date
Asphalt Plant		Aggregate Plant	
Asphalt Field		Soils Compaction	2003
Asphalt Plant Mix Only		Pavement Markings	
Slurry Seal Only		HCC Plant	
Surface Treatment Only		HCC Field	2003

The bearer of this certificate is authorized to perform the duties of a Certified Technician in accordance with the Virginia Department of Transportation Specifications.

Awarded this 1st day of July, 19 99

*Charles H. Roberts*  
STATE MATERIALS ENGINEER





Association of Engineering Laboratories  
Inspection Agencies and Public Building Officials

# *Certificate of Qualification*

*This is to certify that*

**ANTHONY J. LORD**

Certification Number 7261

*Has Successfully Completed WACEL Examination Procedures  
to Become Certified as a*

**Structural Inspector**

*In Accordance With Standards and Procedures Established by the  
WACEL Quality Assurance Committee Effective Through*

*Tuesday, May 1, 2007*



Executive Director



Program Administrator

*Washington Area Council of  
Engineering Laboratories  
Certificate of Qualification*

*This is to certify that*

ANTHONY J. LORD

*has successfully completed  
Washington Area Council of Engineering Laboratories  
Examination Procedures and is certified as a*

STRUCTURAL INSPECTOR

*effective the* 12TH *day of* FEBRUARY , 19 87 .

Number 1682



FOR WACEL

*David J. Lord*



*Washington Area Council of  
Engineering Laboratories  
Certificate of Qualification*

*This is to certify that*

ANTHONY J. LORD

*has successfully completed*

*Washington Area Council of Engineering Laboratories  
Examination Procedures and is certified as a*

CONCRETE TECHNICIAN LEVEL II

*effective the* 27TH *day of* JANUARY , 1987 .

Number 1675

FOR WACEL

*Daniel J. Rom*  
*DJR*



This is to certify that

Anthony J. Lord

Has Successfully Completed WACEL  
Examination Procedures to Become Certified  
as a

Concrete Level II Technician

Expiration:

1/27/2012

Certification Number:

1675

PROGRAM ADMINISTRATOR

This is to certify that

Anthony J. Lord

Has Successfully Completed WACEL  
Examination Procedures to Become Certified  
as a

Structural Inspector

Expiration:

5/1/2012

Certification Number:

7261

PROGRAM ADMINISTRATOR



U.S. Department  
of Transportation  
**Federal Aviation  
Administration**

1 Aviation Plaza  
Jamaica, New York 11434

October 2, 2008

Mr. Anthony J. Lord  
The Robert B. Balter Co.  
P.O. Box 20004  
Washington, DC 20041

Dear Mr. Lord:

We have received and graded your examination paper on the Eastern Region Laboratory Procedures Manual and are pleased to inform you that the paper met our requirements. We have now added your name to our new updated list of people familiar with the manual.

Thank you for your interest and effort in this matter. We are returning herewith the examination papers for your information.

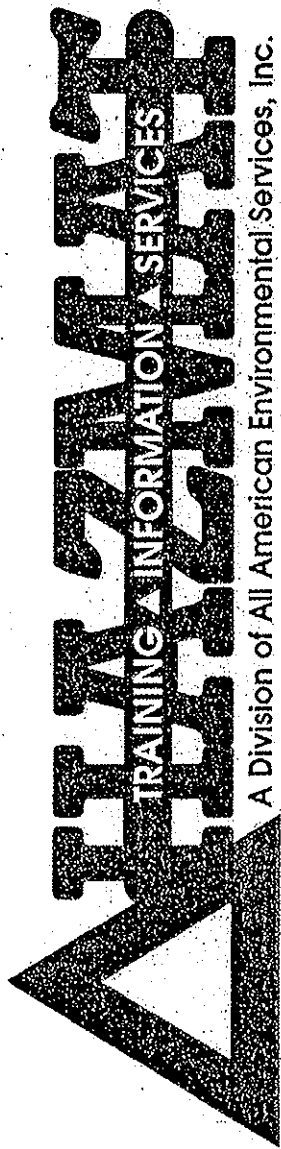
As we have done in the past, this list of people familiar with the manual is made available to airport sponsors, their consultants, and contractors for use in selecting personnel for the required laboratory test work. As part of our responsibility in this area, we will be monitoring the test work done on all federally funded airport paving projects in our region and will be reviewing the work for compliance.

Sincerely,

A handwritten signature in dark ink, appearing to read "A. Harvey DeGraw".

A. Harvey DeGraw  
Manager, Safety & Standards Branch

Attachment



# CERTIFICATE OF COMPLETION

This is to certify that  
**ANTHONY J. LORD**  
has successfully completed

CONFINED SPACE OPERATIONS PROGRAM

' at

HAZMAT T.I.S.I.; COLUMBIA, MARYLAND

June 18 & 19, 1998  
CSO-9806

  
Chief Executive Officer

FACE

This Certifies that

Anthony J. Lord

has successfully completed a two-day course in

F-Number Measurement

using the

Dipstick® Floor Profiler

in accordance with the published standards and practices of the  
American Concrete Institute, the Canadian Standards Association and  
the American Society for Testing and Materials

*John J. Lord*  
Director, Product Engineering

March 26, 1996

Date of Certification



G.S. FACE



E.W. FACE

FACE

FACE

FOUNDED  
1888



An Association of Engineering Laboratories,  
Inspection Agencies and Public Building Officials

# Certificate of Qualification

*This is to certify that*

**ANTHONY J. LORD**

Certification Number 7261

*Has Successfully Completed WACEL Examination Procedures  
to Become Certified as a*

**Structural Inspector**

*In Accordance With Standards and Procedures Established by the  
WACEL Quality Assurance Committee Effective Through*

*Tuesday, May 1, 2012*

A stylized, handwritten signature of the Executive Director, located at the bottom left of the certificate.

Executive Director

A stylized, handwritten signature of the Program Administrator, located at the bottom right of the certificate.

Program Administrator



An Association of Engineering Laboratories,  
Inspection Agencies and Public Building Officials

# *Certificate of Qualification*

*This is to certify that*

**ANTHONY J. LORD**

Certification Number 1675

*Has Successfully Completed WACEL Examination Procedures  
to Become Certified as a*

**Concrete Level II Technician**

*In Accordance With Standards and Procedures Established by the  
WACEL Quality Assurance Committee Effective Through*

*Friday, January 27, 2012*

A stylized, handwritten signature in dark ink, likely belonging to the Executive Director, is positioned above the title.

Executive Director

A handwritten signature in dark ink, likely belonging to the Program Administrator, is positioned above the title.

Program Administrator

**NATIONAL INSTITUTE FOR CERTIFICATION IN ENGINEERING TECHNOLOGIES**

*sponsored by the National Society of Professional Engineers*  
1420 King Street, Alexandria, Virginia 22314-2794  
1-888-IS-NICET • www.nicet.org

**APPROVAL LETTER**

Name: Anthony J. Lord  
Date of Award: August 28, 2008  
Certification Number: 114665  
Certification Expire Date: 10/01/2011

It is my pleasure to inform you that recertification has been granted as follows:

CONSTRUCTION MATERIALS TESTING/ASPHALT/LEVEL II  
CONSTRUCTION MATERIALS TESTING/SOILS/LEVEL II  
CONSTRUCTION MATERIALS TESTING/CONCRETE/LEVEL II

You will find your new wallet card attached to the bottom of this letter. Also enclosed with this letter is your new certificate. Your new three-year period of certification is printed on both your wallet card and your certificate. You will need to accumulate another 90 continuing professional development points to continue your certification beyond this new expiration date.

Prior to removing the wallet card from this letter, we advise that you make a copy of the letter for your files as the complete letter may be required as proof of certification.

The interest you have shown in your career development by obtaining professional recognition and status through certification is most commendable. On behalf of the Board of Governors, please accept our congratulations and best wishes.

Very truly yours,

Michael A. Clark  
Chief Operating Executive

remove card slowly



**NATIONAL INSTITUTE FOR CERTIFICATION  
IN ENGINEERING TECHNOLOGIES**

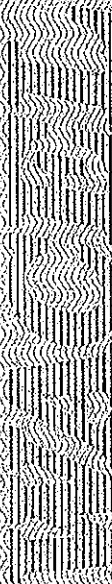
**Anthony J. Lord**

ASPHALT/II  
SOILS/II  
CONCRETE/II

Anthony J. Lord  
432 Arbor Dr  
Glen Burnie, MD 21061

CERT NO. 114665 VALID THRU 10/01/2011





AN ASSOCIATION OF ENGINEERING LABORATORIES  
INSPECTION AGENCIES AND PUBLIC BUILDING OFFICIALS

# *Certificate of Qualification*

*This is to certify that*

**ANTHONY J. LORD**

Certification Number 7261

*Has Successfully Completed WAQEL Examination Procedures  
to Become Certified as a*

**Structural Inspector**

*In Accordance With Standards and Procedures Established by the  
WAQEL Quality Assurance Committee Effective Through*

*Tuesday, May 1, 2007*



Executive Director



Program Administrator

# AMERICAN CONCRETE INSTITUTE

*This is to certify that*

**ANTHONY J LORD**

*has demonstrated knowledge and ability by  
successfully completing the ACI certification  
requirements and is hereby recognized as an*

## ACI CONCRETE FIELD TESTING TECHNICIAN - GRADE I

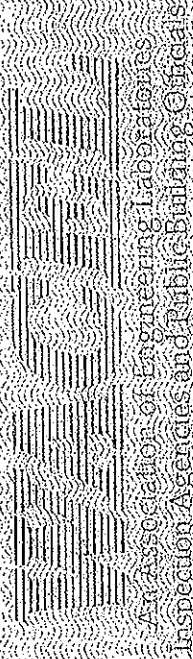
Certified Date: 5/5/05

Expires: 5/5/10

Examiner of Record: Mr John R Wilson

*John R Wilson*  
ACI Managing Director of Certification

*The Authenticity of this certification can be verified at [www.ACICertification.org/Verify](http://www.ACICertification.org/Verify)*



# Certificate of Qualification

*This is to certify that*

**ANTHONY J. LORD**

Certification Number 7261

*Has Successfully Completed WACEL Examination Procedures to Become Certified as a*

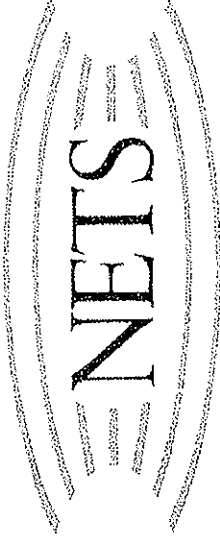
**Structural Inspector**

*In Accordance With Standards and Procedures Established by the WACEL Quality Assurance Committee Effective Through*

*Tuesday May 1, 2007*

*[Signature]*  
Executive Director

*[Signature]*  
Program Administrator

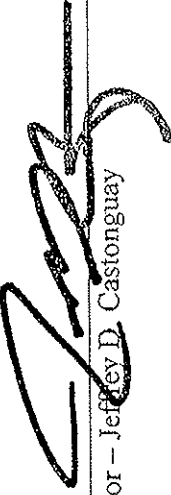


**North East Technical Services, Inc.**

Certifies that

*Anthony Lord*

Has successfully completed the required radiological safety training for use of nuclear moisture density gauge in accordance with regulations set forth by the Maryland Department of the Environment and the Nuclear Regulatory Commission. Also has successfully completed training in accordance with policies set forth by the following rules and regulations governing Hazmat training requirements: 49CFR subpart H and IATA 1.5.2. Person listed above has demonstrated a thorough understanding of all aspects needed for transportation and specific emphasis was placed on portable nuclear density gauges. A closed book examination was administered and a passing score was achieved. Subjects included in this course were as follows: Radiological Safety – principles and practices of radiation protection, leak-testing procedures, measurement of radioactivity, biological effects of radiation, incident, storage, ALARA and emergency procedures.

  
Instructor – Jeffrey D. Castonguay

Date of Training: July 21, 2005

**Certification Directory Entry**

Anthony J. LordGlen Burnie, MD  
Technologist ID:  
Technician ID: 114665

	<b>Awarded</b>	<b>Expires</b>
Construction Materials Testing		
Asphalt, Level: II	04/07/2006	10/01/2014
Concrete, Level: II	12/09/2005	10/01/2014
Soils, Level: II	04/07/2006	10/01/2014

| [New Search](#) || [Search Results](#) |





## *Awards*

*1.2 Continuing Education Units*

*to*

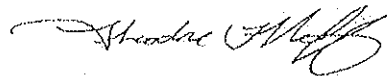
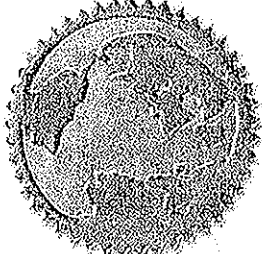
***Brian K. Flickinger***

*For satisfactory completion of  
12 hours of organized instruction in Level 1  
Field Fundamentals for Unbonded Post-Tensioning*

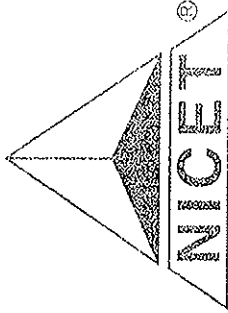
*held at*

*Atlanta, GA*

*March 20-21, 2010*



*Theodore L. Neff,  
Executive Director, Post-Tensioning Institute*



# NATIONAL INSTITUTE FOR CERTIFICATION IN ENGINEERING TECHNOLOGIES®

*Providing Certification Programs Since 1961*

BE IT KNOWN THAT

**Brian K. Flickinger**

IS HEREBY AWARDED CERTIFICATION AT

LEVEL III

IN CONSTRUCTION MATERIALS TESTING  
CONCRETE

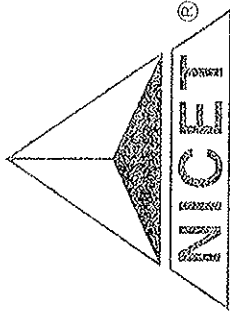
BASED UPON SUCCESSFUL DEMONSTRATION OF REQUISITE KNOWLEDGE,  
EXPERIENCE AND WORK PERFORMANCE AS SET FORTH BY THIS INSTITUTE.

Certification Valid through July 1, 2012

CERTIFICATION NUMBER 117054

CHAIRMAN OF THE NICET BOARD OF GOVERNORS

A DIVISION OF THE NATIONAL SOCIETY OF PROFESSIONAL ENGINEERS



# NATIONAL INSTITUTE FOR CERTIFICATION IN ENGINEERING TECHNOLOGIES®

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BE IT KNOWN THAT

**Brian K. Flickinger**

IS HEREBY AWARDED CERTIFICATION AT

LEVEL III

IN CONSTRUCTION MATERIALS TESTING  
SOILS

BASED UPON SUCCESSFUL DEMONSTRATION OF REQUISITE KNOWLEDGE,  
EXPERIENCE AND WORK PERFORMANCE AS SET FORTH BY THIS INSTITUTE.

Certification Valid through July 1, 2012

CERTIFICATION NUMBER 117054

CHAIRMAN OF THE NICET BOARD OF GOVERNORS

A DIVISION OF THE NATIONAL SOCIETY OF PROFESSIONAL ENGINEERS



# NATIONAL INSTITUTE FOR CERTIFICATION IN ENGINEERING TECHNOLOGIES®

HEREBY CERTIFIES THAT  
**Brian K. Flickinger**

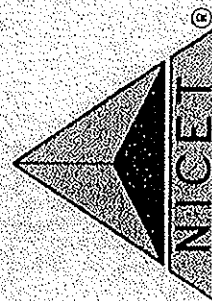
HAS ATTAINED THE GRADE OF  
LEVEL II

IN CONSTRUCTION MATERIALS TESTING  
ASPHALT

AND RECOGNIZES THAT THROUGH EDUCATION,  
EXPERIENCE, AND KNOWLEDGE THIS PERSON HAS  
MET THE STANDARDS SET FORTH BY THIS INSTITUTE

Certification Valid through July 1, 2012

CERTIFICATION NUMBER 117054



*Philip L. Bayhman*

CHAIRMAN OF THE BOARD OF GOVERNORS, NICET

SPONSORED BY THE NATIONAL SOCIETY OF PROFESSIONAL ENGINEERS

# NATIONAL INSTITUTE FOR CERTIFICATION IN ENGINEERING TECHNOLOGIES®

HEREBY CERTIFIES THAT  
**Brian K. Flickinger**

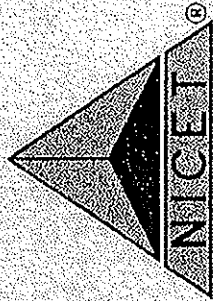
HAS ATTAINED THE GRADE OF  
LEVEL II

IN TRANSPORTATION ENGINEERING TECHNOLOGY  
HIGHWAY MATERIALS

AND RECOGNIZES THAT THROUGH EDUCATION,  
EXPERIENCE, AND KNOWLEDGE THIS PERSON HAS  
MET THE STANDARDS SET FORTH BY THIS INSTITUTE

Certification Valid through July 1, 2012

CERTIFICATION NUMBER 117054



*Dwight L. Langhorne*

CHAIRMAN OF THE BOARD OF GOVERNORS, NICET

SPONSORED BY THE NATIONAL SOCIETY OF PROFESSIONAL ENGINEERS

# NATIONAL INSTITUTE FOR CERTIFICATION IN ENGINEERING TECHNOLOGIES®

HEREBY CERTIFIES THAT

**Brian K. Flickinger**

HAS ATTAINED THE GRADE OF

LEVEL I

IN GEOTECHNICAL ENGINEERING TECHNOLOGY  
LABORATORY

AND RECOGNIZES THAT THROUGH EDUCATION,  
EXPERIENCE, AND KNOWLEDGE THIS PERSON HAS  
MET THE STANDARDS SET FORTH BY THIS INSTITUTE

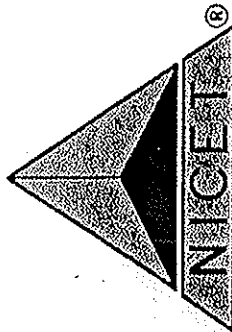
Certification Valid through July 1, 2012

CERTIFICATION NUMBER 117054



CHAIRMAN OF THE BOARD OF GOVERNORS, NICET

SPONSORED BY THE NATIONAL SOCIETY OF PROFESSIONAL ENGINEERS



# NATIONAL INSTITUTE FOR CERTIFICATION IN ENGINEERING TECHNOLOGIES®

HEREBY CERTIFIES THAT  
**Brian K. Flickinger**

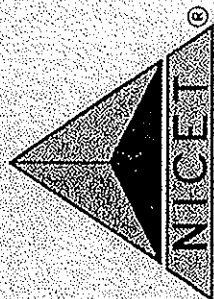
HAS ATTAINED THE GRADE OF  
LEVEL I

IN GEOTECHNICAL ENGINEERING TECHNOLOGY  
CONSTRUCTION

AND RECOGNIZES THAT THROUGH EDUCATION,  
EXPERIENCE, AND KNOWLEDGE THIS PERSON HAS  
MET THE STANDARDS SET FORTH BY THIS INSTITUTE

Certification Valid through July 1, 2012

CERTIFICATION NUMBER 117054



*Philip J. Langman*

CHAIRMAN OF THE BOARD OF GOVERNORS, NICET

SPONSORED BY THE NATIONAL SOCIETY OF PROFESSIONAL ENGINEERS

# NATIONAL INSTITUTE FOR CERTIFICATION IN ENGINEERING TECHNOLOGIES®

HEREBY CERTIFIES THAT  
**Brian K. Flickinger**

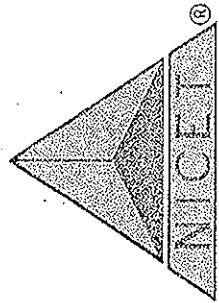
HAS ATTAINED THE GRADE OF  
LEVEL I

IN LAND MANAGEMENT & WATER CONTROL  
EROSION AND SEDIMENT CONTROL

AND RECOGNIZES THAT THROUGH EDUCATION,  
EXPERIENCE, AND KNOWLEDGE THIS PERSON HAS  
MET THE STANDARDS SET FORTH BY THIS INSTITUTE

Certification Valid through July 1, 2012

CERTIFICATION NUMBER 117954



A handwritten signature in dark ink, appearing to read "Philip L. Grayson".

CHAIRMAN OF THE BOARD OF GOVERNORS, NICET

SPONSORED BY THE NATIONAL SOCIETY OF PROFESSIONAL ENGINEERS



# NATIONAL INSTITUTE FOR CERTIFICATION IN ENGINEERING TECHNOLOGIES®

HEREBY CERTIFIES THAT  
**Brian K. Flickinger**

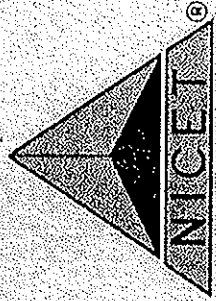
HAS ATTAINED THE GRADE OF  
LEVEL I

IN UNDERGROUND UTILITIES CONSTRUCTION  
WATER AND SEWER LINES

AND RECOGNIZES THAT THROUGH EDUCATION,  
EXPERIENCE, AND KNOWLEDGE THIS PERSON HAS  
MET THE STANDARDS SET FORTH BY THIS INSTITUTE

Certification Valid through July 1, 2012

CERTIFICATION NUMBER 117054



*Philip J. Baughman*

CHAIRMAN OF THE BOARD OF GOVERNORS, NICET

SPONSORED BY THE NATIONAL SOCIETY OF PROFESSIONAL ENGINEERS

# NATIONAL INSTITUTE FOR CERTIFICATION IN ENGINEERING TECHNOLOGIES®

HEREBY CERTIFIES THAT  
**Brian K. Flickinger**

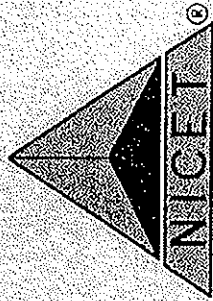
HAS ATTAINED THE GRADE OF  
LEVEL I

IN UNDERGROUND UTILITIES CONSTRUCTION  
STORMWATER AND WASTEWATER SYSTEM INSPECTION (NATIONAL)

AND RECOGNIZES THAT THROUGH EDUCATION,  
EXPERIENCE, AND KNOWLEDGE THIS PERSON HAS  
MET THE STANDARDS SET FORTH BY THIS INSTITUTE

Certification Valid through July 1, 2012

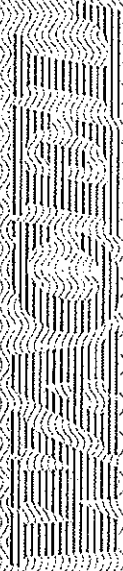
CERTIFICATION NUMBER 117054



*Philip L. Gayman*

CHAIRMAN OF THE BOARD OF GOVERNORS, NICET

SPONSORED BY THE NATIONAL SOCIETY OF PROFESSIONAL ENGINEERS



An Association of Engineering Laboratories,  
Inspection Agencies and Public Building Officials

# *Certificate of Qualification*

*This is to certify that*

## **BRIAN FLICKINGER**

Certification Number E330

*Has Successfully Completed WACEL Examination Procedures  
to Become Certified as a*

### **Structural Concrete / Masonry Inspector**

*In Accordance With Standards and Procedures Established by the  
WACEL Quality Assurance Committee Effective Through*

*Friday, November 11, 2016.*

A handwritten signature in dark ink, appearing to read "Timothy", is written over a horizontal line.

Executive Director

A handwritten signature in dark ink, appearing to read "Chris", is written over a horizontal line.

Program Administrator





## *Awards*

*1.2 Continuing Education Units*

*to*

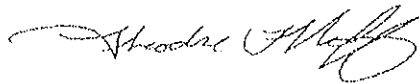
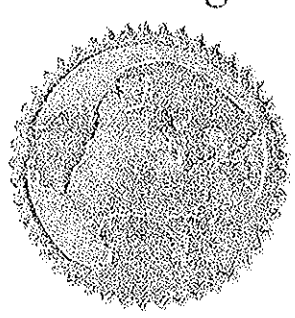
***Tom Williams***

*For satisfactory completion of  
12 hours of organized instruction in Level 1  
Field Fundamentals for Unbonded Post-Tensioning*

*held at*

*McLean, VA*

*September 18-19, 2010*



*Theodore L. Neff,  
Executive Director, Post-Tensioning Institute*



An Association of Engineering Laboratories,  
Inspection Agencies and Public Building Officials

# *Certificate of Qualification*

*This is to certify that*

**BRADY PAYEN**

Certification Number D903

*Has Successfully Completed WACEL Examination Procedures  
to Become Certified as a*


**Structural Concrete/Masonry Inspector**

*In Accordance With Standards and Procedures Established by the  
WACEL Quality Assurance Committee Effective Through*

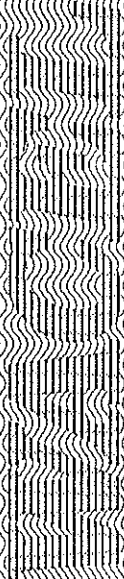
*Tuesday, May 10, 2016*



Executive Director



Program Administrator



AN ASSOCIATION OF ENGINEERING LABORATORIES,  
INSPECTION AGENCIES AND PUBLIC BUILDING OFFICIALS

# *Certificate of Qualification*

*This is to certify that*

**BRADY PAYEN**

Certification Number 9254

*Has Successfully Completed WACEL Examination Procedures  
to Become Certified as a*

**Concrete Level III Technician**

*In Accordance With Standards and Procedures Established by the  
WACEL Quality Assurance Committee Effective Through  
Monday, December 7, 2009*

Executive Director

  
Program Administrator





An Association of Engineering Laboratories,  
Inspection Agencies and Public Building Officials

# *Certificate of Qualification*

*This is to certify that*

**BRADY PAYEN**

Certification Number D871

*Has Successfully Completed WACEL Examination Procedures  
to Become Certified as a*

**Concrete Level II Technician**

*In Accordance With Standards and Procedures Established by the  
WACEL Quality Assurance Committee Effective Through*

*Thursday, April 28, 2016*

A stylized, handwritten signature in dark ink, likely belonging to the Executive Director.

Executive Director

A stylized, handwritten signature in dark ink, likely belonging to the Program Administrator.

Program Administrator

This is to certify that  
**Brady Payen**  
 Has Successfully Completed WACEL  
 Examination Procedures to Become Certified  
 as a  
**Concrete Level II Technician**  
 Expiration: 12/7/2009  
 Certification Number: 9254  
 PROGRAM ADMINISTRATOR



8601 N. Black Canyon Hwy #103  
 Phoenix, AZ 85021  
 (602) 870-7540  
[www.post-tensioning.org](http://www.post-tensioning.org)

**Brady Payen**

Certified Post-Tensioning Inspector

Level 2 - Post-Tensioning Inspector

Training and Certification for Unbonded Post-Tensioning

ID No. 09160645

Expires: 6/23/2011



STATE OF NEW JERSEY  
 DEPARTMENT OF COMMUNITY AFFAIRS  
 UNIFORM CONSTRUCTION CODE

This is to certify that  
**BRADY PAYEN**  
 has been certified as:

CERTIFICATION #	010002	CONCRETE PLACEMENT
EFFECTIVE DATE	01/09/2009	REINFORCED CONCRETE
EXPIRATION DATE	01/31/2012	PRE-STRESSED CONCRETE
		STRUCTURAL MASONRY
		SPECIAL INSPECTOR

CHIEF, BUREAU OF CODE SERVICES

This is to certify that  
**Brady Payen**  
 Has Successfully Completed WACEL  
 Examination Procedures to Become Certified  
 as a  
**Foundation Technician**  
 Expiration: 4/1/2009  
 Certification Number: 1974  
 PROGRAM ADMINISTRATOR

This is to certify that  
**Brady Payen**  
 Has Successfully Completed WACEL  
 Examination Procedures to Become Certified as a  
**Soils Level Technician**  
 Expiration: 12/2/2012  
 Certification Number: 7755  
**Charles Worley**  
 PROGRAM ADMINISTRATOR

## Employee Registrations Report

NAME/TITLE	NUMBER	COMPANY/OFFICE LOCATION
Brady Payen Construction Inspector	PAY50	The Robert B. Balter Company : MD

### Registrations

<u>Registration</u>	<u>Number</u>	<u>State</u>	<u>Date Earned</u>	<u>Expires</u>
ACI Concrete Field Testing Technician - Grade I			10/16/2008	10/16/2013
WACEL Concrete Level II Technician	D871		4/28/2011	4/28/2016
WACEL Soils Level I Technician	7755			12/21/2012
Post-Tensioning Institute - Level 1 Inspector				
Post-Tensioning Institute - Level 2 Inspector	09160645			6/23/2011
U.S. Nuclear Reg. Comm. Rad. Safety Training Cours				
OSHA 40 hr. Course - Haz. Waste Ops. & Emer. Respo			1/29/2009	
Concrete Placement Inspector	010002	NJ	1/9/2009	1/31/2012
Reinforced Concrete Inspector	010002	NJ	1/9/2009	1/31/2012
Pre-stressed Concrete Inspector	010002	NJ	1/9/2009	1/31/2012
Structural Masonry Inspector	010002	NJ	1/9/2009	1/31/2012

Print Date: 5/2/2011



AN ASSOCIATION OF ENGINEERING LABORATORIES,  
INSPECTION AGENCIES AND PUBLIC BUILDING OFFICIALS

# Certificate of Qualification

*This is to certify that*

**BRADY PAYEN**

Certification Number 7155

*Has Successfully Completed WACH Examination Procedures  
to Become Certified as a*

**Soils Level 1 Technician**

*In Accordance With Standards and Procedures Established by the  
WACH Quality Assurance Committee Effective Through*

*Friday, December 21, 2012*

*Tom Cohen*  
Executive Director

*Chris Holey*  
Program Administrator





AN ASSOCIATION OF ENGINEERING LABORATORIES,  
INSPECTION AGENCIES AND PUBLIC BUILDING OFFICIALS

# Certificate of Qualification

*This is to certify that*

**BRADY PAYEN**

Certification Number 7755

*Has Successfully Completed WACEL Examination Procedures  
to become Certified as a*

**Soils Level 1 Technician**

*In Accordance With Standards and Procedures Established by the  
WACEL Quality Assurance Committee Effective Through*

*Friday, December 21, 2012*

*Tom Colby*  
Executive Director

*Chris Holey*  
Program Administrator



American Concrete Institute®  
Advancing concrete knowledge

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ACI](#)[Bookstore  
&  
Publications](#)[Certification](#)[Chapters](#)[Committees](#)[Conventions  
& Events](#)[Education](#)[International](#)[Membership](#)[Students](#)[Technical](#)

## ACI Certification Certified Personnel

### Search Results

Last name:

Item 1 of 1 matching your search criteria are show below. Click **Search Again** to initiate a new search.

**Payen Brady**  
ACI CONCRETE FIELD TESTING TECHNICIAN - GRADE I  
Expires: October 16, 2013  
Hackensack, NJ 07601-3290

[Search Again](#)

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*Certification Database*

Objectives	Members	Accredited Lab List	Cert Database	Lab Accred Program	Tech Cert Program	Training Program	Calendar of Events	Members Only	To Join
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WACEL Certification Database -->[New Search](#)

## Search Results:

Displaying records 1 thru 2 of 2 records found. (2 records displayed).  
Sorted by field: last+name

Name	Certification Level	Certification Number	Expiration Date
Brady Payen	Soils Level I Technician	7755	12/21/2012
Brady Payen	Concrete Level II Technician	D871	04/28/2016

Exam scores are only provided in the members only section. Exam results are private please do not telephone WACEL requesting exam results.

**INTEGRITY**  
This is to certify that  
**Brady Payen**  
Has Successfully Completed WACEL  
Examination Procedures to Become Certified  
**Concrete Level II Technician**  
As Associated with Concrete Laboratories  
Expiration: **4/28/2016**  
Certification Number: **D871**  
*Sharon H. Boyd*  
PROGRAM ADMINISTRATOR



State of New Jersey  
DEPARTMENT OF COMMUNITY AFFAIRS  
Division of Codes and Standards  
Bureau of Code Services  
Licensing Unit  
101 South Broad Street  
PO BOX 816  
Trenton, NJ 08625

JON S. CORZINE  
Governor

JOSEPH V. DORIA, JR.  
Commissioner

**NOTICE OF CERTIFICATION AWARD**

Brady Payen  
54 Polifly Road  
Hackensack, NJ 07601

January 9, 2009

Dear Mr. Payen:

This is to inform you that you have been determined qualified under authority of the New Jersey State Uniform Construction Code Act, to be certified as follows:

*Certification(s) Awarded*

*Concrete Placement Inspector*  
*Reinforced Concrete Inspector*  
*Pre-stressed Concrete Inspector*  
*Structural Masonry Inspector*

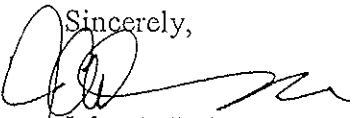
Certification Number: 010002

Effective Dates of Certification: 01/09/2009 through 01/31/2012

If there is any discrepancy between the information on this notice and the certification(s) for which you applied, please call 609-984-7834 at once.

Congratulations and best wishes!

Sincerely,



John A. Delesandro  
Supervisor of Licensing



# THE NATIONAL ENVIRONMENTAL TRAINERS

*Brady Payen*

has satisfactorily passed an exam and completed a 40 hour training course entitled

## **Hazardous Waste Operations and Emergency Response**

meeting the requirements identified in Title 29 CFR 1910.120 (OSHA HAZWOPER Regulations).

This course has been awarded 5.0 Industrial Hygiene CM Points by the American Board of Industrial

Hygiene-Approval Number 13334. This course is eligible for 3.33

Continuance of Certification (COC) points from the Board of Certified Safety Professionals.



NATIONAL  
ENVIRONMENTAL  
TRAINERS, Inc.

January 29, 2009

Course Number 1003, Awarded 40 PDH's  
Florida Board of Professional Engineers CEU Provider Number 0004284

[www.nationalenvironmentaltrainers.com](http://www.nationalenvironmentaltrainers.com)

Signature of Instructor

Clay A. Bednarz, MS, RPIH

# AMERICAN CONCRETE INSTITUTE

*This is to certify that*

**BRADY PAYEN**

*has demonstrated knowledge and ability by  
successfully completing the ACI Certification  
requirements and is hereby recognized as an*

**ACI Concrete Field Testing Technician - Grade I**

Certified Date: 10/16/2008 Expires: 10/16/2013

Examiner of Record: Mr Casimir Bognacki

*John W. M. J.*  
ACI Managing Director of Certification

*The Authenticity of this certification can be verified at [www.ACICertification.org/verify](http://www.ACICertification.org/verify)*



# AMERICAN CONCRETE INSTITUTE

*This is to certify that*

**BRADY PAYEN**

*has demonstrated knowledge and ability by  
successfully completing the ACI Certification  
requirements and is hereby recognized as an*

**ACI Concrete Field Testing Technician - Grade I**

**Certified Date: 10/16/2008 Expires: 10/16/2013**

**Examiner of Record: Mr Casimir Bognacki**



*ACI Managing Director of Certification*

*The Authenticity of this certification can be verified at [www.ACICertification.org/verify](http://www.ACICertification.org/verify)*



JON S. CORZINE  
Governor

State of New Jersey  
DEPARTMENT OF COMMUNITY AFFAIRS  
Division of Codes and Standards  
Bureau of Code Services  
Licensing Unit  
101 South Broad Street  
PO BOX 816  
Trenton, NJ 08625

JOSEPH V. DORIA, JR.  
Commissioner

### NOTICE OF CERTIFICATION AWARD

Brady Payen  
54 Polifly Road  
Hackensack, NJ 07601

January 9, 2009

Dear Mr. Payen:

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#### Certification(s) Awarded

*Concrete Placement Inspector  
Reinforced Concrete Inspector  
Pre-stressed Concrete Inspector  
Structural Masonry Inspector*

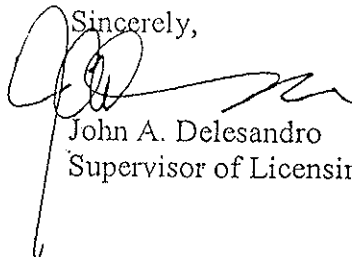
Certification Number: 010002

Effective Dates of Certification: 01/09/2009 through 01/31/2012

If there is any discrepancy between the information on this notice and the certification(s) for which you applied, please call 609-984-7834 at once.

Congratulations and best wishes!

Sincerely,

  
John A. Delesandro  
Supervisor of Licensing



# THE NATIONAL ENVIRONMENTAL TRAINERS

*Brady Payen*

Has satisfactorily passed an exam and completed a 40 hour training course entitled  
Hazardous Waste Operations and Emergency Response

meeting the requirements identified in Title 29 CFR 1910.120 (OSHA HAZWOPER Regulations).  
This course has been awarded 5.0 Industrial Hygiene CM Points by the American Board of Industrial

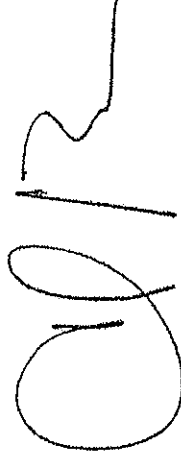
Hygiene-Approval Number 13334. This course is eligible for 3.33

Continuance of Certification (COC) points from the Board of Certified Safety Professionals.



January 29, 2009

Signature of Instructor



Clay A. Bednarz, MS, RPIH

Course Number 1003, Awarded 40 PDH's  
Florida Board of Professional Engineers CEU Provider Number 0004284

[www.nationalenvironmentaltrainers.com](http://www.nationalenvironmentaltrainers.com)



An Association of Engineering Laboratories,  
Inspection Agencies and Public Building Officials

# *Certificate of Qualification*

*This is to certify that*

**VINCENT GERARD V. PINEDA**

Certification Number E406

*Has Successfully Completed WACEL Examination Procedures  
to Become Certified as a*

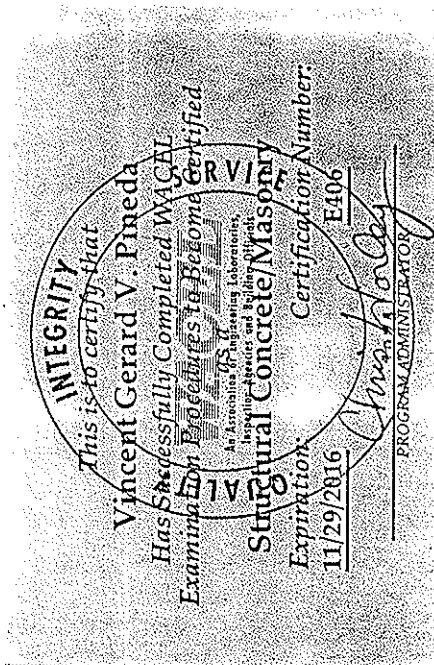
**Structural Concrete / Masonry Inspector**

*In Accordance With Standards and Procedures Established by the  
WACEL Quality Assurance Committee Effective Through*

*Tuesday, November 29, 2016*

Executive Director

Program Administrator





An Association of Engineering Laboratories,  
Inspection Agencies and Public Building Officials

# *Certificate of Qualification*

*This is to certify that*

**VINCENT GERARD V. PINEDA**

Certification Number C452

*Has Successfully Completed WACEI Examination Procedures  
to Become Certified as a*

**Concrete Level I Technician**

*In Accordance With Standards and Procedures Established by the  
WACEI Quality Assurance Committee Effective Through*

*Friday, June 28, 2013*

*Tom Cohen*

Executive Director

*Chloe Hoxley*

Program Administrator





*WACEL*

Objectives	Members	Accredited Lab List	Cert Database	Lab Accred Program	Tech Cert Program	Training Program	Calendar of Events	Members Only	To Join
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WACEL Certification Database -->[New Search](#)

## Search Results:

Displaying records 1 thru 6 of 6 records found. (6 records displayed).  
Sorted by field: last+name

Name	Certification Level	Certification Number	Expiration Date
Vincent Gerard V. Pineda	Foundation Technician	B587	04/30/2012
Herberth O. Pineda	Concrete Level I Technician	C067	12/12/2012
Vincent Gerard V. Pineda	Concrete Level I Technician	C452	06/28/2013
Vincent Gerard V. Pineda	Fireproofing Level I Technician	D224	03/02/2015
Vincent Gerard V. Pineda	Concrete Level II Technician	D842	04/07/2016
Vincent Gerard V. Pineda	Structural Concrete/Masonry Inspector	E406	11/29/2016

Exam scores are only provided in the members only section. Exam results are private please do not telephone WACEL requesting exam results.





*Certification Database*

Objectives	Members	Accredited Lab List	Cert Database	Lab Accred Program	Tech Cert Program	Training Program	Calendar of Events	Members Only	To Join
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WACEL Certification Database -->[New Search](#)

## Search Results:

Displaying records 1 thru 4 of 4 records found. (4 records displayed).  
Sorted by field: last+name


Name	Certification Level	Certification Number	Expiration Date
Vincent Gerard V. Pineda	Foundation Technician	B587	04/30/2012
Vincent Gerard V. Pineda	Concrete Level I Technician	C452	06/28/2013
Vincent Gerard V. Pineda	Fireproofing Level I Technician	D224	03/02/2015
Vincent Gerard V. Pineda	Concrete Level II Technician	D842	04/07/2016

Exam scores are only provided in the members only section. Exam results are private please do not telephone WACEL requesting exam results.

**NDT JAMES INSTRUMENTS INC.**  
NON DESTRUCTIVE TESTING SYSTEMS  
3727 North Kedzie Avenue, Chicago, Illinois 60618  
1-800-426-6500 (773)463-6565 Fax (773)463-0009  
E-Mail: ndtjames.wva.com

**WINDSOR PROBE TEST SYSTEM**

This certifies that

VINCENT GERARD PINEDA  
employed by ROBERT B. BALTER CO.  
has been instructed in the care and use of the Windsor Test System and is qualified and competent to certify the compressive strength of concrete as indicated by the Windsor Test System.  
  
for James Instruments Inc. Date: 10/30/07

Nº 31053

ACCREDITED OPERATOR

This is to certify that  
**Vincent Gerard Pineda**  
Has Successfully Completed WACEL  
Examination Procedures to Become Certified  
as  
**Fireproofing Level I**  
Expiration: **3/2/2015** Certification Number: **D224**  
1974  
*Chaz H. [Signature]*  
PROGRAM ADMINISTRATOR

**MARTCP**

MID-ATLANTIC REGION  
TECHNICIAN CERTIFICATION PROGRAM

**Vincent Gerard V Pineda**

is qualified as a technician in the following area(s)

<u>CERTIFICATION</u>	<u>EXPIRES</u>
Soils & Agg. Comp.	06/30/2015
HMA Field	06/30/2011

Certification No: 5445-MD



**NATIONAL INSTITUTE FOR CERTIFICATION  
IN ENGINEERING TECHNOLOGIES®**

*Providing Certification Programs Since 1961*



Approval Letter

Name: Vincent Gerard V. Pineda  
Date of Award: April 18, 2011  
Certification Number: 111366  
Certification Expire Date: 06/01/2013

It is my pleasure to inform you that recertification has been granted as follows:

CONSTRUCTION MATERIALS TESTING/ASPHALT/LEVEL I  
CONSTRUCTION MATERIALS TESTING/CONCRETE/LEVEL I  
CONSTRUCTION MATERIALS TESTING/SOILS/LEVEL I  
GEOTECHNICAL ENGINEERING TECHNOLOGY/LABORATORY/LEVEL I  
GEOTECHNICAL ENGINEERING TECHNOLOGY/CONSTRUCTION/LEVEL I

You will find your new wallet card attached to the bottom of this letter. Also enclosed with this letter is your new certificate. Your new three-year period of certification is printed on both your wallet card and your certificate. You will need to accumulate another 90 continuing professional development points to continue your certification beyond this new expiration date.

Prior to removing the wallet card from this letter, we advise that you make a copy of the letter for your files as the complete letter may be required as proof of certification.

The interest you have shown in your career development by obtaining professional recognition and status through certification is most commendable. On behalf of the Board of Governors, please accept our congratulations and best wishes.

Very truly yours,

Michael A. Clark  
Chief Operating Executive

Vincent Gerard V. Pineda  
7615 Cedar Pond Lane  
Rosedale, MD 21237

remove card slowly



**NATIONAL INSTITUTE FOR CERTIFICATION  
IN ENGINEERING TECHNOLOGIES®**

**Vincent Gerard V. Pineda**

ASPHALT/I  
CONCRETE/I  
SOILS/I  
LABORATORY/I  
CONSTRUCTION/I

CERT NO. 111366 VALID THRU 06/01/2013

**Certification Directory Entry**

Vincent Gerard V. PinedaRosedale, MD  
Technologist ID: 0  
Technician ID:111366

	<b>Awarded</b>	<b>Expires</b>
Construction Materials Testing		
Asphalt, Level: I	05/28/2004	06/01/2013
Concrete, Level: I	05/28/2004	06/01/2013
Soils, Level: I	05/28/2004	06/01/2013
Geotechnical Engineering Technology		
Construction, Level: I	03/19/2009	06/01/2013
Laboratory, Level: I	11/14/2005	06/01/2013

[New Search](#)[Search Results](#)





An Association of Engineering Laboratories,  
Inspection Agencies and Public Building Officials

# *Certificate of Qualification*

*This is to certify that*

**VINCENT GERARD V. PINEDA**

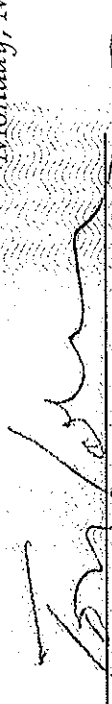
Certification Number D224

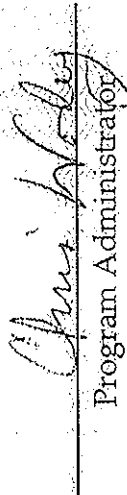
*Has Successfully Completed WACEL Examination Procedures  
to Become Certified as a*

**Fireproofing Level I Technician**

*In Accordance With Standards and Procedures Established by the  
WACEL Quality Assurance Committee Effective Through*

*Monday, March 2, 2015*

  
Executive Director

  
Program Administrator



*Certification Database*

Objectives	Members	Accredited Lab List	Cert Database	Lab Accred Program	Tech Cert Program	Training Program	Calendar of Events	Members Only	To Join
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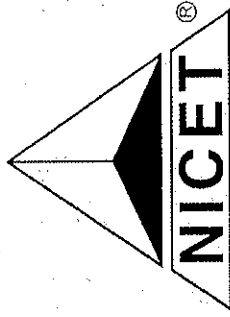
WACEL Certification Database -->[New Search](#)

## Search Results:

Displaying records 1 thru 5 of 5 records found. (5 records displayed).  
Sorted by field: last+name

Name	Certification Level	Certification Number	Expiration Date
Herberth O. Pineda	Concrete Level I Technician	C067	12/12/2012
Vincent Gerard V. Pineda	Concrete Level I Technician	C452	06/28/2013
Vincent Gerard V. Pineda	Fireproofing Level I Technician	D224	03/02/2015
Vincent Gerard V. Pineda	Concrete Level II Technician	D842	04/07/2016
Vincent Gerard V. Pineda	Structural Concrete/Masonry Inspector	E406	11/29/2016

Exam scores are only provided in the members only section. Exam results are private please do not telephone WACEL requesting exam results.



# NATIONAL INSTITUTE FOR CERTIFICATION IN ENGINEERING TECHNOLOGIES®

*Providing Certification Programs Since 1961*

BE IT KNOWN THAT

**Vincent Gerard V. Pineda**

IS HEREBY AWARDED CERTIFICATION AT

**LEVEL I**

**IN CONSTRUCTION MATERIALS TESTING  
ASPHALT**

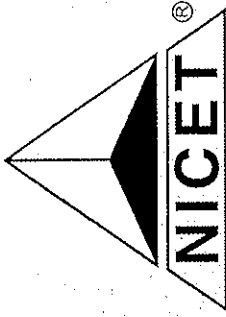
BASED UPON SUCCESSFUL DEMONSTRATION OF REQUISITE KNOWLEDGE,  
EXPERIENCE AND WORK PERFORMANCE AS SET FORTH BY THIS INSTITUTE.

Certification Valid through June 1, 2013

CERTIFICATION NUMBER 111366

CHAIRMAN OF THE NICET BOARD OF GOVERNORS

A DIVISION OF THE NATIONAL SOCIETY OF PROFESSIONAL ENGINEERS



# NATIONAL INSTITUTE FOR CERTIFICATION IN ENGINEERING TECHNOLOGIES®

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BE IT KNOWN THAT

**Vincent Gerard V. Pineda**

IS HEREBY AWARDED CERTIFICATION AT

LEVEL I

IN CONSTRUCTION MATERIALS TESTING  
CONCRETE

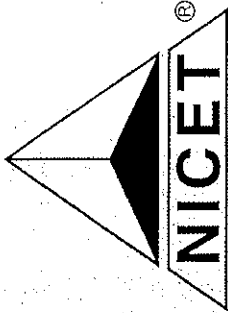
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**Vincent Gerard V. Pineda**

IS HEREBY AWARDED CERTIFICATION AT

**LEVEL I**

**IN CONSTRUCTION MATERIALS TESTING  
SOILS**

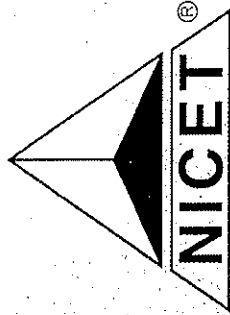
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*Providing Certification Programs Since 1961*

BE IT KNOWN THAT

**Vincent Gerard V. Pineda**

IS HEREBY AWARDED CERTIFICATION AT

**LEVEL I**

**IN GEOTECHNICAL ENGINEERING TECHNOLOGY  
CONSTRUCTION**

**BASED UPON SUCCESSFUL DEMONSTRATION OF REQUISITE KNOWLEDGE,  
EXPERIENCE AND WORK PERFORMANCE AS SET FORTH BY THIS INSTITUTE.**

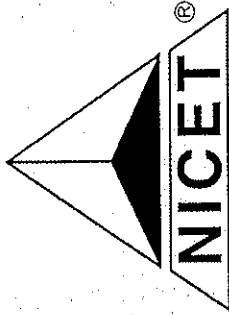
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# NATIONAL INSTITUTE FOR CERTIFICATION IN ENGINEERING TECHNOLOGIES®

*Providing Certification Programs Since 1961*

BE IT KNOWN THAT

**Vincent Gerard V. Pineda**

IS HEREBY AWARDED CERTIFICATION AT

**LEVEL I**

**IN GEOTECHNICAL ENGINEERING TECHNOLOGY  
LABORATORY**

BASED UPON SUCCESSFUL DEMONSTRATION OF REQUISITE KNOWLEDGE,  
EXPERIENCE AND WORK PERFORMANCE AS SET FORTH BY THIS INSTITUTE.

Certification Valid through June 1, 2013

CERTIFICATION NUMBER 111366

CHAIRMAN OF THE NICET BOARD OF GOVERNORS

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American Concrete Institute  
Advancing Concrete Knowledge

BOOKSTORE SEARCH FEEDBACK LOGIN



About ACI Bookstore & Publications Certification Chapters Committees Conventions & Events Education International Membership Students Technical

## ACI Certification Certified Personnel

### Search Results

Last name: Pineda

Items 16 - 24 out of 24 matching your search criteria are shown below. Click **Search Again** to initiate a new search.

**Pineda Luis C**

ACI CONCRETE FIELD TESTING TECHNICIAN - GRADE I  
Expires: May 23, 2016  
East Elmhurst, NY 11369-1613

**Pineda Luis R**

ACI CONCRETE FLATWORK FINISHER & TECHNICIAN  
Expires: March 20, 2013  
Mechanicville, NY 12118-2206

**Pineda Romulo**

ACI CONCRETE STRENGTH TESTING TECHNICIAN  
Expires: March 29, 2013  
Miami, FL 33196-6811

**Pineda Ruben A**

ACI CONCRETE FLATWORK TECHNICIAN  
Expires: September 19, 2014  
Orange, CA 92868-1014

**Pineda Santos B**

ACI CONCRETE FIELD TESTING TECHNICIAN - GRADE I  
Expires: September 28, 2016  
Flushing, NY 11354-3701

**Pineda Sergio**

ACI CONCRETE FIELD TESTING TECHNICIAN - GRADE I  
Expires: April 25, 2014  
Tucson, AZ 85751-0212

**Pineda Vincent Gerard V**

ACI CONCRETE FIELD TESTING TECHNICIAN - GRADE I  
Expires: January 8, 2014  
Rosedale, MD 21237-3742

**Pineda-garcia Dennis**

ACI CONCRETE FIELD TESTING TECHNICIAN - GRADE I  
Expires: January 20, 2017  
TEGUCIGALPA, HONDURAS 999999

**Vargas Pineda Wilmer A**

ACI CONCRETE FIELD TESTING TECHNICIAN - GRADE I  
Expires: June 10, 2016  
SAN PEDRO SULA, CORT HONDURAS CT1100

[Previous](#) [Search Again](#)

***MARTCP***

MID-ATLANTIC REGION  
TECHNICIAN CERTIFICATION PROGRAM

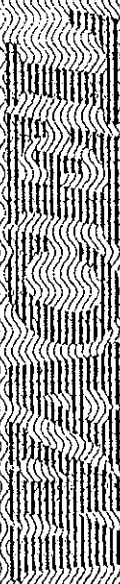
**Vincent Gerard V Pineda**

is qualified as a technician in the following area(s)

<u>CERTIFICATION</u>	<u>EXPIRES</u>
----------------------	----------------

Soils & Agg. Comp.	06/30/2015
HMA Field	06/30/2011

Certification. No: 5445-MD



AMERICAN ASSOCIATION OF ENGINEERING LABORATORIES  
Inspection Agencies and Public Building Officials

# *Certificate of Qualification*

*This is to certify that*

**IRMAN S. JOESOFF**

Certification Number: C727

*Has Successfully Completed AAEL Examination Procedures  
to Become Certified as a*

**Structural Concrete / Masonry Inspector**

*In Accordance With Standards and Procedures Established by the  
AAEL Quality Assurance Committee Effective Through*

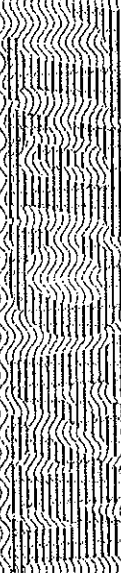
*Thursday, November 14, 2013*

*Constance*

Executive Director

*Chris Hooley*

Program Administrator



AN ASSOCIATION OF ENGINEERING LABORATORIES  
INSPECTION AGENCIES AND PUBLIC BUILDING OFFICIALS

# Certificate of Qualification

*This is to certify that*

**IRMAN JOESORF**

Certification Number A342

Has Successfully Completed WACEL Examination Procedures  
to Become Certified as a

**Soils Level I Technician**

In Accordance With Standards and Procedures Established by the  
WACEL Quality Assurance Committee Effective Through

Wednesday, February 9, 2011

Executive Director

Program Administrator





AN ASSOCIATION OF ENGINEERING LABORATORIES,  
INSPECTION AGENCIES AND PUBLIC BUILDING OFFICIALS

# Certificate of Qualification

This is to certify that

**IRMAN JOESORF**

Certification Number A284

Has Successfully Completed WACEL Examination Procedures  
to Become Certified as a

**Concrete Level 1 Technician**

In Accordance With Standards and Procedures Established by the  
WACEL Quality Assurance Committee Effective Through

Friday, January 21, 2011

Executive Director

Program Administrator





Objectives	Members	Accredited Lab List	Cert Database	Lab Accred Program	Tech Cert Program	Training Program	Calendar of Events	Members Only	To Join
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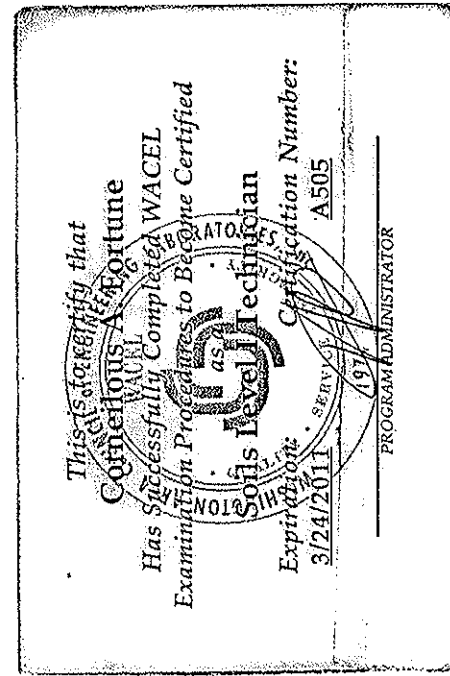
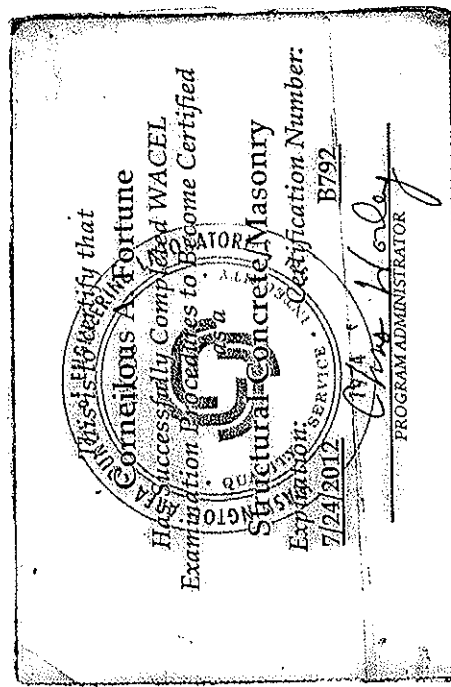
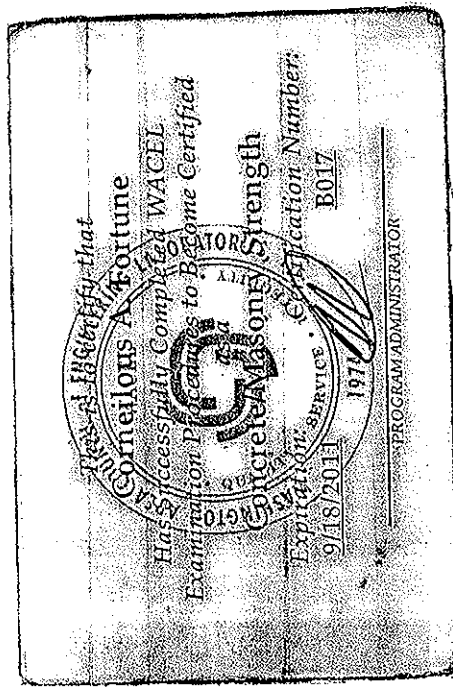
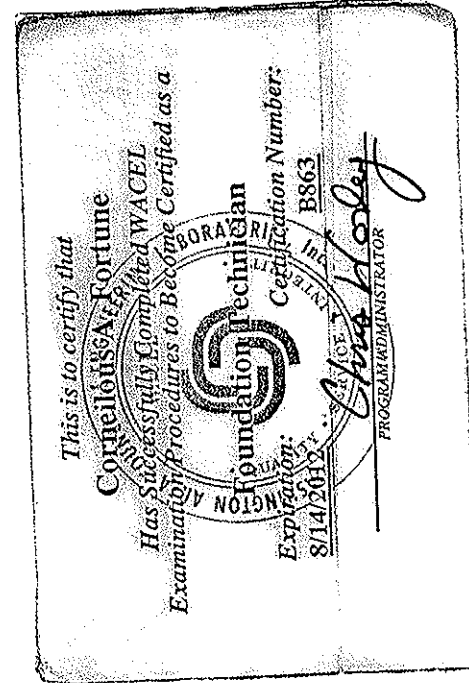
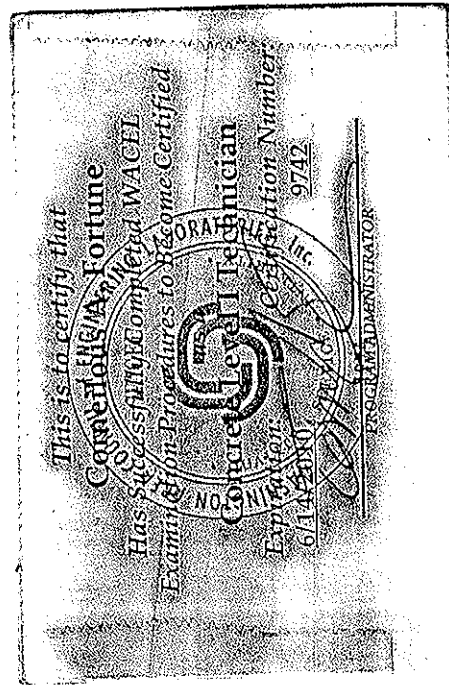
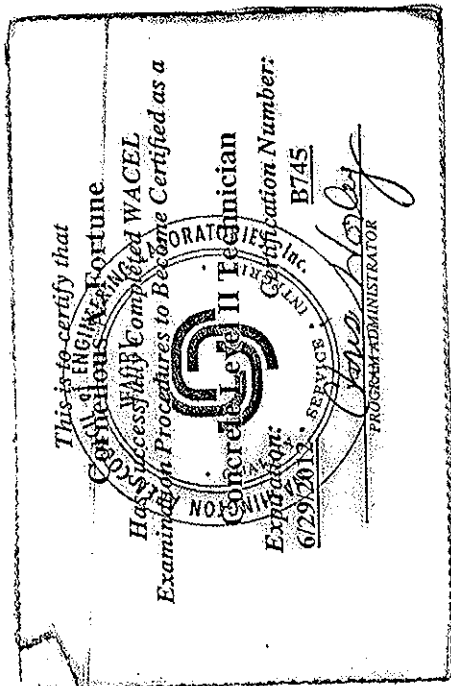
WACEL Certification Database -->[New Search](#)

## Search Results:

Displaying records 1 thru 2 of 2 records found. (2 records displayed).  
Sorted by field: last+name

Name	Certification Level	Certification Number	Expiration Date
Irman S. Joesoef	Concrete Level II Technician	B864	08/14/2012
Irman S. Joesoef	Structural Concrete/Masonry Inspector	C727	11/14/2013

Exam scores are only provided in the members only section. Exam results are private please do not telephone WACEL requesting exam results.



# AMERICAN CONCRETE INSTITUTE

*Expire*

*This is to certify that*

**Teodros T Rosario**

*has demonstrated knowledge and ability by successfully  
completing the ACI certification requirements  
and is hereby recognized as an*

**ACI CONCRETE FIELD TESTING TECHNICIAN - GRADE I**

Exam Date: 12/19/2002

Expires: 12/19/2007

Examiner:



# AMERICAN CONCRETE INSTITUTE

*This is to certify that*

**MR TEODROS T ROSARIO**

*has demonstrated knowledge and ability by  
successfully completing the ACI Certification  
requirements and is hereby recognized as an*

**ACI Concrete Field Testing Technician - Grade I**

**Certified Date:** 03/10/2008      **Expires:** 03/10/2013

**Examiner of Record:** Prometric Testing Centers

*John W. N. N. N.*  
*ACI Managing Director of Certification*

*The Authenticity of this certification can be verified at [www.ACICertification.org/verify](http://www.ACICertification.org/verify)*

**ACI Certification Results Report**  
**ACI Concrete Field Testing Technician - Grade I**

**Testing Session Information:**

Session: 080719      Exam Date: 03/10/2008      Exam Location: ,  
ACI Sponsoring Group: Prometric Testing Centers      Phone:(410)880-8745  
Examiner of Record: Prometric Testing Centers

**Examinee Information**

Mr Teodros T. Rosario  
Apt.K  
24 McChurch Ct  
Randallstown, MD 21133-3822

**Certification ID**  
**01128894**

**Status Information**

Certification Status: **CERTIFIED**      ACI Concrete Field Testing Technician - Grade I  
Certification Issue Date:    03/10/2008    Thru: 03/10/2013

**ACI Comments:**

Congratulations! You are now Certified. This is an accomplishment you can be very proud of and we will be happy to confirm this credential to anyone upon request. Enclosed is your wallet card and certificate attesting this accomplishment. In addition, a directory of all ACI Certified individuals can be found at [www.ACICertification.org](http://www.ACICertification.org)

**Required Results**

<b>Written Examination</b>	<b>PASS</b>
<b>Performance Overall</b>	<b>PASS</b>

*The Detailed Subtest Results section on next (back) page.*



Air Association of Engineering Laboratories  
Inspection Agencies and Public Building Officials

# *Certificate of Qualification*

*This is to certify that*

**TEODROS T. ROSARIO**

Certification Number 7913

*Has Successfully Completed WACHL Examination Procedures  
to Become Certified as a*

**Soils Level I Technician**

*In Accordance With Standards and Procedures Established by the  
WACHL Quality Assurance Committee Effective Through*

*Friday, March 15, 2013*

*James C. Cahan*  
Executive Director

*Cheryl Hasky*  
Program Administrator



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**APPROVAL LETTER**

Name: Teodros T. Rosario  
Date of Award: June 12, 2009  
Certification Number: 108805  
Certification Expire Date: 07/01/2012

It is my pleasure to inform you that recertification has been granted as follows:

CONSTRUCTION MATERIALS TESTING/SOILS/LEVEL I  
CONSTRUCTION MATERIALS TESTING/CONCRETE/LEVEL II

You will find your new wallet card attached to the bottom of this letter. Also enclosed with this letter is your new certificate. Your new three-year period of certification is printed on both your wallet card and your certificate. You will need to accumulate another 90 continuing professional development points to continue your certification beyond this new expiration date.

Prior to removing the wallet card from this letter, we advise that you make a copy of the letter for your files as the complete letter may be required as proof of certification.

The interest you have shown in your career development by obtaining professional recognition and status through certification is most commendable. On behalf of the Board of Governors, please accept our congratulations and best wishes.

Very truly yours,

Michael A. Clark  
Chief Operating Executive

remove card slowly



**NATIONAL INSTITUTE FOR CERTIFICATION  
IN ENGINEERING TECHNOLOGIES®**

**Teodros T. Rosario**

SOILS/I  
CONCRETE/II

Teodros T. Rosario  
10908 Huntcliff Dr Apt 5  
Owings Mills, MD 21117

CERT NO. 108805 VALID THRU 07/01/2012



# NATIONAL INSTITUTE FOR CERTIFICATION IN ENGINEERING TECHNOLOGIES®

HEREBY CERTIFIES THAT

**Teodros T. Rosario**

HAS ATTAINED THE GRADE OF

LEVEL II

IN CONSTRUCTION MATERIALS TESTING  
CONCRETE

AND RECOGNIZES THAT THROUGH EDUCATION,  
EXPERIENCE, AND KNOWLEDGE THIS PERSON HAS  
MET THE STANDARDS SET FORTH BY THIS INSTITUTE

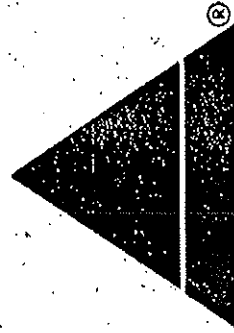
Certification Valid through July 1, 2012

CERTIFICATION NUMBER 108805

*James A. Wathen*

CHAIRMAN OF THE BOARD OF GOVERNORS, NICET

SPONSORED BY THE NATIONAL SOCIETY OF PROFESSIONAL ENGINEERS



FACE

This Certifies that

Teodros T. Rosario

has successfully completed a two-day course in

F-Number Measurement

using the

Dipstick® Floor Profiler

in accordance with the published standards and practices of the  
American Concrete Institute, the Canadian Standards Association and  
the American Society for Testing and Materials

*M. J. Moore*  
Director, Product Engineering

April 20, 2005  
Date of Certification

FOUNDED  
1888

FACE

FACE

CS FACE

EW FACE



AN ASSOCIATION OF ENGINEERING LABORATORIES  
INSPECTION AGENCIES AND PUBLIC BUILDING OFFICIALS

# *Certificate of Qualification*

*This is to certify that*

**TEODROS T. ROSARIO**

Certification Number 7913

*Has Successfully Completed WACEL Examination Procedures  
to become Certified as a*

**Soils Level 1 Technician**

*In Accordance With Standards and Procedures Established by the  
WACEL Quality Assurance Committee Effective Through*

*Friday, March 15, 2013*

*Thomas Cohen*  
Executive Director

*Chris Noddy*  
Program Administrator

*Expired*



An Association of Engineering Laboratories,  
Inspection Agencies and Public Building Officials

# Certificate of Qualification

*This is to certify that*

## TEODROS T. ROSARIO

Certification Number 7913

*Has Successfully Completed WACEL Examination Procedures  
to Become Certified as a*

### Soils Level I Technician

*In Accordance With Standards and Procedures Established by the  
WACEL Quality Assurance Committee Effective Through*

*Saturday, March 15, 2008*

A stylized, handwritten signature in dark ink, likely belonging to the Executive Director, is written over the signature line.

Executive Director

A handwritten signature in dark ink, likely belonging to the Program Administrator, is written over the signature line.

Program Administrator

# NUCLEAR GAUGE TRAINING ONLINE



September 11, 2008

NuclearGaugeTraining.com 866-868-2282

HAZMAT Refresher Training

## TEODROS ROSARIO

Has successfully completed HAZMAT refresher training in accordance with policies set forth by the following rules and regulations governing portable nuclear moisture/density gauge transportation requirements: 49CFR 172 subpart H and IATA 1.5.2.

A closed book examination was administered and a passing score was achieved. The person listed above has demonstrated a thorough understanding of all aspects needed for transportation, with specific emphasis placed on portable nuclear density gauges.

Subjects included in this course were: Incident, labeling, storage, security awareness and emergency procedures.

This certificate expires 3 years from the date issued for persons who use ground transportation (company or personal vehicle, trucking company) and expires in 2 years for persons shipping through Air transportation (FedEx).



# OCHS' Technical Services

HEREBY CERTIFIES THAT

**Teodoro V. Rosario**

**HAS SUCCESSFULLY COMPLETED THE REQUIRED RADIOLOGICAL SAFETY  
TRAINING FOR USE OF THE NUCLEAR MOISTURE-DENSITY GAUGE IN  
ACCORDANCE WITH MD STATE AND USNRC REGULATIONS**

Subjects included in this course were as follows: Radiological Safety - principles and practices of radiation protection; leak testing procedures; measurements of radioactivity; biological effects of radiation; monitoring techniques and methods; accident, incident, storage, and transportation procedures; and general safety precautions. Device Operation - instrument theory, operation procedures, leak testing, field operations and gauge calibration.

William D. Dehn, C.E.T.

Instructor

June 24, 2000

Date of Training

Lic. No. MD-05-137-01  
NC Reg. No. S 000480

**MARTCP**

MID-ATLANTIC REGION  
TECHNICIAN CERTIFICATION PROGRAM

**Teodros T Rosario**

is qualified as a technician in the following area(s)

CERTIFICATION	EXPIRES
Soils & Agg. Comp.	06/30/2010

Certification No. 5442-MD



This is to certify that the technician indicated on the reverse side has been qualified through written and performance testing as a certified technician in the material discipline (s) indicated on the reverse side of this card.

*Woody Hard*

Division Chief, Training & Certification

Robert L. Ehrlich, Jr., Governor  
Michael S. Steele, Lt. Governor



Robert L. Flanagan, Secretary  
Neil J. Pedersen, Administrator

Maryland Department of Transportation

Please reply to:  
Office of Materials and Technology  
2323 West Joppa Road  
Lutherville, MD 21093

January 10, 2006

Teodros T Rosario  
10908 Huntcliff Drive Apt. 5  
Owings Mills, MD 21117

Re: Soils & Aggregate Compaction Field Technician Exam held December 19, 2005

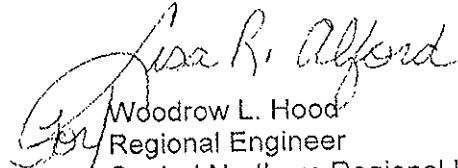
Congratulations!

You have successfully met the requirements for Maryland SHA Soils & Aggregate Compaction Field Technician. You passed the practical test, and your written score of 87.5 exceeds the minimum score of 70 required to receive a passing grade. Your certification is valid until it expires on June 30, 2010.

To assist us in notifying you about certification renewal, please inform us if you change your name, your employer, or your address.

If you have any questions, please contact me, or call Mr. Ray Dotterweich at (410) 321-4104.

Sincerely,



Woodrow L. Hood  
Regional Engineer  
Central Northern Regional Laboratory

Attachment

WLH/RJD/lra

Cc: Certification File  
Robert B. Balter Co.

(410) 321-4100 / 1 (800) 637-1290

My telephone number/toll-free number is (410) 321-3099

Maryland Relay Service for Impaired Hearing or Speech: 1.800.735.2258 Statewide Toll Free

Street Address: 707 North Calvert Street • Baltimore, Maryland 21202 • Phone 410.545.0300 • [www.marylandroads.com](http://www.marylandroads.com)

# NATIONAL INSTITUTE FOR CERTIFICATION IN ENGINEERING TECHNOLOGIES®

*Expired*

HEREBY CERTIFIES THAT

**Teodros T. Rosario**

HAS ATTAINED THE GRADE OF

LEVEL II

IN CONSTRUCTION MATERIALS TESTING  
CONCRETE

AND RECOGNIZES THAT THROUGH EDUCATION,  
EXPERIENCE, AND KNOWLEDGE THIS PERSON HAS  
MET THE STANDARDS SET FORTH BY THIS INSTITUTE

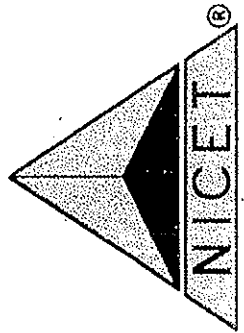
Certification Valid through July 1, 2009

CERTIFICATION NUMBER 108805

*Lori A. Allison*

CHAIRMAN OF THE BOARD OF GOVERNORS, NICET

SPONSORED BY THE NATIONAL SOCIETY OF PROFESSIONAL ENGINEERS



# NATIONAL INSTITUTE FOR CERTIFICATION IN ENGINEERING TECHNOLOGIES®

*Expired*

HEREBY CERTIFIES THAT

**Teodros T. Rosario**

HAS ATTAINED THE GRADE OF

LEVEL I

IN CONSTRUCTION MATERIALS TESTING  
SOILS

AND RECOGNIZES THAT THROUGH EDUCATION,  
EXPERIENCE, AND KNOWLEDGE THIS PERSON HAS  
MET THE STANDARDS SET FORTH BY THIS INSTITUTE

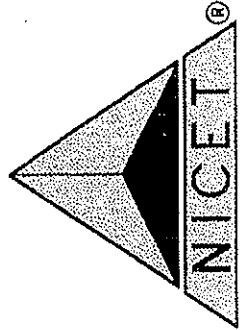
Certification Valid through July 1, 2009

CERTIFICATION NUMBER 108805

*Lori A. Allison*

CHAIRMAN OF THE BOARD OF GOVERNORS, NICET

SPONSORED BY THE NATIONAL SOCIETY OF PROFESSIONAL ENGINEERS



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1-888-IS-NICET • www.nicet.org

*Expired*

Name: Teodros T. Rosario  
Date of Award: February 24, 2006  
Certification Number: 108805  
Certification Expire Date: 07/01/2009

It is my pleasure to inform you that recertification has been granted as follows:

**CONSTRUCTION MATERIALS TESTING/SOILS/LEVEL I**  
**CONSTRUCTION MATERIALS TESTING/CONCRETE/LEVEL II**

You will find your new wallet card attached to the bottom of this letter. Also enclosed with this letter is your new certificate. Your new three-year period of certification is printed on both your wallet card and your certificate. You will need to accumulate another 90 continuing professional development points to continue your certification beyond this new expiration date.

Prior to removing the wallet card from this letter, we advise that you make a copy of the letter for your files as the complete letter may be required as proof of certification.

The interest you have shown in your career development by obtaining professional recognition and status through certification is most commendable. On behalf of the Board of Governors, please accept our congratulations and best wishes.

Very truly yours,



Michael A. Clark  
General Manager

remove card slowly

**NATIONAL INSTITUTE FOR CERTIFICATION  
IN ENGINEERING TECHNOLOGIES®**

**Teodros T. Rosario**

**SOILS/I  
CONCRETE/II**

Teodros T. Rosario  
10908 Huntcliff Dr Apt 5  
Owings Mills, MD 21117

**CERT NO. 108805 VALID THRU 07/01/2009**

WACEL Certification Database --> [New Search](#)

*Expired*

**Search Results:**

Displaying records 1 thru 1 of 1 records found. (1 records displayed).  
Sorted by field: last name

<b>Name</b>	<b>Certification Level</b>	<b>Certification Number</b>	<b>Expiration Date</b>
Teodros T. Rosario	Soils Level I Technician	7913	3/15/2008



AMERICAN ASSOCIATION OF ENGINEERING LABORATORIES  
INSPECTION AGENCIES AND PUBLIC BUILDING OFFICIALS

# Certificate of Qualification

This is to certify that

**ELMUSTAFASOARKATI**

Certification Number C385

Has Successfully Completed WACET Examination Procedures  
to become Certified as a

**Structural Concrete/Masonry Inspector**

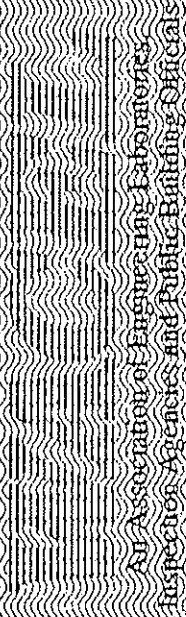
In Accordance With Standards and Procedures Established by the  
WACET Quality Assurance Committee Effective Through

Thursday, June 11, 2013

*James Coble*  
Executive Director

*Chris Hasty*  
Program Administrator





AN ASSOCIATION OF ENGINEERING LABORATORIES  
INSPECTION AGENCIES AND PUBLIC BUILDING OFFICIALS

# Certificate of Qualification

This is to certify that

**ELMUSTARA SOARKATI**

Certification Number C1419

Has Successfully Completed WACEI Examination Procedures  
to Become Certified as a

**Foundation Technician**

In Accordance With Standards and Procedures Established by the  
WACEI Quality Assurance Committee Effective Through

Wednesday, February 11, 2011

*John C. B.*  
Executive Director

*Chae M. Kelly*  
Program Administrator



An Association of Engineering Laboratories,  
Inspection Agencies and Public Building Officials

# Certificate of Qualification

This is to certify that

**ELMUSTAFA SOARKATI**

Certification Number B498

Has Successfully Completed WACEL Examination Procedures  
to Become Certified as a

**Concrete Level II Technician**

In Accordance With Standards and Procedures Established by the  
WACEL Quality Assurance Committee Effective Through

Friday, March 23, 2012

Executive Director

Program Administrator



An Association of Engineering Laboratories,  
Inspection Agencies and Public Building Officials

# *Certificate of Qualification*

*This is to certify that*

## **ELMUSTAFA SOARKATI**

Certification Number A995

*Has Successfully Completed WACEL Examination Procedures  
to Become Certified as a*

### **Concrete Level I Technician**

*In Accordance With Standards and Procedures Established by the  
WACEL Quality Assurance Committee Effective Through*

*Thursday, September 8, 2011*

A stylized, handwritten signature in black ink, likely belonging to the Program Administrator.

Program Administrator

A stylized, handwritten signature in black ink, likely belonging to the Executive Director.

Executive Director





An Association of Engineering Laboratories,  
Inspection Agencies and Public Building Officials

# *Certificate of Qualification*

*This is to certify that*

## **ELMUSTAFA SOARKATI**

Certification Number B054

*Has Successfully Completed WACEL Examination Procedures  
to Become Certified as a*

### **Soils Level I Technician**

*In Accordance With Standards and Procedures Established by the  
WACEL Quality Assurance Committee Effective Through*

*Sunday, September 18, 2011*

A stylized, handwritten signature in black ink, likely belonging to the Executive Director.

Executive Director

A stylized, handwritten signature in black ink, likely belonging to the Program Administrator.

Program Administrator



# ECS UNIVERSITY

## Radiation Safety Training

### Certificate of Completion

*This is to certify that Elmstafa Soarkati has completed the basic training course on Radiation Safety and Use of Nuclear Gauges, held this twenty-fifth day of August, 2006 in the City of Chantilly, Commonwealth of Virginia by ECS Mid-Atlantic, LLC.*

ECS Mid-Atlantic, LLC.  
14026 Thunderbolt Place  
Suite 100  
Chantilly, Virginia 20151  
Phone: 703-471-8400  
Fax: 703-834-5527

Expiration Date: August 25, 2009

A handwritten signature in black ink, appearing to read "Omer M. Duzyol".

Instructor

Omer M. Duzyol, R.S.O.  
Radiation Safety Officer



This is to certify that Elmustafa Soarkati is a qualified Technician in the designated area(s):

Certification	Expires
Pavement Marking School	12/31/2012



ARAB REPUBLIC OF EGYPT  
DAKHLIA GOVERNORATE  
EDUCATIONAL DIROCTORATE OF EL MANSOURA

STATEMENT OF MARKS

With reference to the passer's register of the exam of the Industrial secondary Education certificate for the year 2000 , it is found that:

Mr. El Mustafa Mohamed Ali Mugbil Soarkati has succeeded in the exam in the Industrial Secondary Education Certificate Branch Electronics.

Examination Year :2000

Bench Number :690212

School Name : AboElnaga Industrial Secondary School  
For Boys.

Subject	Max.	Min.	Marks
Arabic Language	40	20	20
Foreign Language	40	16	30
Mathematics	40	16	35
Technical Drawing	100	50	80
Televisions	60	30	43
Electronic Technology	60	30	48
Calculations Technology	60	30	49
Industrial Arrangement	40	20	35
Small Industrial Projects Management	20	8	13
Written Subjects Total	460	230	353
Professional Trainings	100	60	70
Gross Total	560	290	423
Religious Education	20	10	14
Only ,Four Hundred, Twenty Three marks (423).			

This Statement is to be submitted to "U.S.A" At The Request Of  
Mr. El Mustafa Mohamed Ali Mugbil Soarkati, After payment of registered fees.  
The authorities concerned should be sure that the bearer of this statement is the same  
Person whose name is stated above.

SPECIALIST

FIRST REVISOR

SECOND REVISOR

DIRECTOR

May 5 2003  
14

Signature  
cnc/0110

Signature  
cnc/0110

Signature  
cnc/0110







Colloid Environmental Technologies Company - Building Materials Group  
2870 Fortis Avenue • Hoffman Estates, IL 60192 • USA  
800.527.9948 • 847.851.1800 • Fax 847.851.1371

# CETCO Certified Waterproofing Inspector 2009

This Certifies That

**Elmustafa Soarkati**  
of  
**Specialized Engineering**  
**Ijamsville, MD**

Has successfully completed all requirements to become a Certified Independent  
Inspector of the CETCO Waterproofing Systems.



*Robert Long*  
CETCO



U.S. Department  
Of Transportation  
Federal Highway  
Administration

National Highway Institute

# Certificate of Training



*Elmustafa Soarkati*

*has participated in*

132070 Drilled Shaft Foundation Inspection

*hosted by*

Specialized Engineering

**Date:** April 22-24, 2009

**Location:** Glen Burnie, Maryland

*David Burnett*  
Instructor

*John Ludwig*  
Instructor

**Hours of Instruction:** 18

*Kathy M. Davis*  
Local Coordinator

*Richard Barnaby*  
Richard Barnaby, Director  
National Highway Institute



U.S. Department  
Of Transportation  
Federal Highway  
Administration

National Highway Institute

# Certificate of Training



NATIONAL HIGHWAY INSTITUTE  
Training Solutions for Transportation Excellence

**Elmustafa Soarkati**

*has participated in*

**132070 Drilled Shaft Foundation Inspection**

*hosted by*

**Specialized Engineering**

**Date:** April 22-24, 2009

**Location:** Glen Burnie, Maryland

*David Burnett*  
Instructor

*John Ladogano*  
Instructor

**Hours of Instruction:** 18

*Richard Barnaby*  
Local Coordinator

**Richard Barnaby, Director**  
National Highway Institute

# AMERICAN CONCRETE INSTITUTE

*This is to certify that*

**MICHAEL A WATKINS**

*has demonstrated knowledge and ability by  
successfully completing the ACI certification  
requirements and is hereby recognized as an*

**ACI CONCRETE FIELD TESTING TECHNICIAN - GRADE I**

**Certified Date:** 6/21/07

**Expires:** 6/21/12

**Examiner of Record:** Mr John R Wilson

*John R Wilson*  
ACI Managing Director of Certification

*The Authenticity of this certification can be verified at [www.ACICertification.org/Verify](http://www.ACICertification.org/Verify)*

ACCREDITED OPERATOR


**NDT** JAMES INSTRUMENTS INC.  
NON DESTRUCTIVE TESTING SYSTEMS  
3727 North Kedzie Avenue, Chicago, Illinois 60618  
1-800-426-6500 (773)463-6565 Fax (773)463-0009  
E-Mail: [ndtjames.wva.com](mailto:ndtjames.wva.com)

WINDSOR PROBE TEST SYSTEM

This certifies that

MICHAEL WATKINS

employed by ROBERT B. BALTER CO.  
has been instructed in the care and use of the Windsor Test System and is qualified and competent to certify the compressive strength of concrete as indicated by the Windsor Test System.

  
for James Instruments Inc.

Date: 10/30/07

No 31056



An Association of Engineering Laboratories,  
Inspection Agencies and Public Building Officials

# *Certificate of Qualification*

*This is to certify that*

**HATIM H. EIBAID**

Certification Number - 7385

*Has Successfully Completed WACEL Examination Procedures  
to Become Certified as a*

**Concrete Level II Technician**

*In Accordance With Standards and Procedures Established by the  
WACEL Quality Assurance Committee Effective Through*

*Thursday, July 19, 2012*

A stylized, handwritten signature in black ink, likely belonging to the Executive Director.

Executive Director

A stylized, handwritten signature in black ink, likely belonging to the Program Administrator.

Program Administrator



An Association of Engineering Laboratories,  
Inspection Agencies and Public Building Officials

# *Certificate of Qualification*

*This is to certify that*

**HATIM H. EIBAID**

Certification Number 7240

*Has Successfully Completed WACEL Examination Procedures  
to Become Certified as a*

**Soils Level I Technician**

*In Accordance With Standards and Procedures Established by the  
WACEL Quality Assurance Committee Effective Through*

*Friday, April 13, 2012*

A stylized, handwritten signature in black ink, likely belonging to the Executive Director.

Executive Director

A stylized, handwritten signature in black ink, likely belonging to the Program Administrator.

Program Administrator



# NATIONAL INSTITUTE FOR CERTIFICATION IN ENGINEERING TECHNOLOGIES®

HEREBY CERTIFIES THAT

**Hatim H. Eibaid**

HAS ATTAINED THE GRADE OF

LEVEL I

IN CONSTRUCTION MATERIALS TESTING  
SOILS

AND RECOGNIZES THAT THROUGH EDUCATION,  
EXPERIENCE, AND KNOWLEDGE THIS PERSON HAS  
MET THE STANDARDS SET FORTH BY THIS INSTITUTE

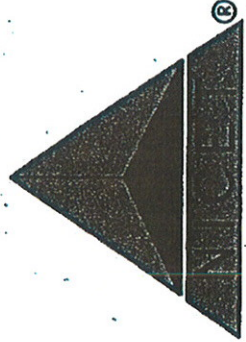
Certification Valid through December 1, 2012

CERTIFICATION NUMBER 118315



CHAIRMAN OF THE BOARD OF GOVERNORS, NICET

SPONSORED BY THE NATIONAL SOCIETY OF PROFESSIONAL ENGINEERS



# NATIONAL INSTITUTE FOR CERTIFICATION IN ENGINEERING TECHNOLOGIES®

HEREBY CERTIFIES THAT

**Hatim H. Eibaid**

HAS ATTAINED THE GRADE OF

LEVEL II

IN CONSTRUCTION MATERIALS TESTING  
CONCRETE

AND RECOGNIZES THAT THROUGH EDUCATION,  
EXPERIENCE, AND KNOWLEDGE THIS PERSON HAS  
MET THE STANDARDS SET FORTH BY THIS INSTITUTE

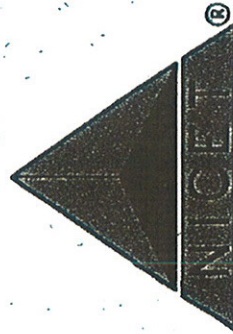
Certification Valid through December 1, 2012

CERTIFICATION NUMBER 118315



CHAIRMAN OF THE BOARD OF GOVERNORS, NICET

SPONSORED BY THE NATIONAL SOCIETY OF PROFESSIONAL ENGINEERS





# NATIONAL INSTITUTE FOR CERTIFICATION IN ENGINEERING TECHNOLOGIES®

HEREBY CERTIFIES THAT

**Hatim H. Eibaid**

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LEVEL II

IN CONSTRUCTION MATERIALS TESTING  
ASPHALT

AND RECOGNIZES THAT THROUGH EDUCATION,  
EXPERIENCE, AND KNOWLEDGE THIS PERSON HAS  
MET THE STANDARDS SET FORTH BY THIS INSTITUTE

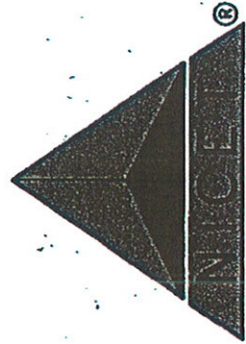
Certification Valid through December 1, 2012

CERTIFICATION NUMBER 118315



CHAIRMAN OF THE BOARD OF GOVERNORS, NICET

SPONSORED BY THE NATIONAL SOCIETY OF PROFESSIONAL ENGINEERS





Geotechnical and Geo-environmental Engineers  
Construction Materials Testing and Inspection

Silver Spring Transit Center  
Montgomery County, Maryland

# Non Compliance Form

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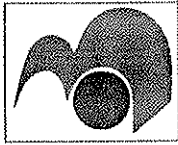


SECRETED TO THE PUBLIC BY THE NATIONAL ARCHIVES

Silver Spring Transit Center  
Montgomery County, Maryland

# Non Compliance Form

[illegible]



## THE ROBERT B. BALTER COMPANY

*Geotechnical and Geo-environmental Engineers  
Construction Materials Testing and Inspection*

Silver Spring Transit Center  
Montgomery County, Maryland

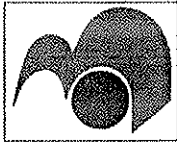
### Non Compliance Form (Updated 3-14-2011)

Item Number	Date of Inspection	Issue/Location	Resolution Date	Resolution
1	various	Elongations out of tolerance – Pour 1A	10/6/10	Accepted by PB
2	various	Elongations out of tolerance – Pour 1B	10/15/10	Accepted by PB
3	various	Elongations out of tolerance – Pour 1C	11/11/10	Accepted by PB
4	various	Elongations out of tolerance – Pour 2A	11/18/2010	Accepted by PB
5	various	Elongations out of tolerance – Pour 1Ea	12/7/2010	Accepted by PB
6	various	Low grout cube 28-day compressive strength (Set numbers 402, 403, 410, 411, 414, 416, 420, 424, 425, 426, 427)	2/4/2011	Accepted by PB
7	various	Low grout cube 28-day compressive strength (Set numbers 476, 477, 478, 479, 495)	2/4/20110	Accepted by PB
8	11/2010	Reinforcing dowels required at Beam BP100	11/24/10	Resolved - Dowels installed in accordance with PB response to RFI #656
9	12/16/2010	12 vs. 14 tendons in Duct BT11, Beam PB-4	1/28/2011	Accepted by PB
10	1/2011	Elongations out of tolerance – Pour 1D	1/28/2011	Accepted by PB
11	1/6/2011	Tendon broke, Pour 1F, Duct BT15-1	1/19/2011	Accepted by PB
12	1/5/2011	Tendon broke, Pour 1F, Duct BT14-2	1/19/2011	Accepted by PB

Item Number	Date of Inspection	Issue/Location	Resolution Date	Resolution
13	1/6/2011	Tendon U-22 exposed at surface, Pour 1C		Unresolved
14	2/2011	Elongations out of tolerance -- Pour 2D	2/11/2011	Accepted by PB
15	2/2011	Pour 1H was not stressed within 96 hours after concrete placement. It is now fully stressed. No other corrective action is available.		Unresolved

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## THE ROBERT B. BALTER COMPANY

*Geotechnical and Geo-environmental Engineers  
Construction Materials Testing and Inspection*

Silver Spring Transit Center  
Montgomery County, Maryland

### Non Compliance Form (Updated 3-2-2011)

Item Number	Date of Inspection	Issue/Location	Resolution Date	Resolution
1	various	Elongations out of tolerance – Pour 1A	10/6/10	Accepted by PB
2	various	Elongations out of tolerance – Pour 1B	10/15/10	Accepted by PB
3	various	Elongations out of tolerance – Pour 1C	11/11/10	Accepted by PB
4	various	Elongations out of tolerance – Pour 2A	11/18/2010	Accepted by PB
5	various	Elongations out of tolerance – Pour 1Ea	12/7/2010	Accepted by PB
6	various	Low grout cube 28-day compressive strength (Set numbers 402, 403, 410, 411, 414, 416, 420, 424, 425, 426, 427)	2/4/2011	Accepted by PB
7	various	Low grout cube 28-day compressive strength (Set numbers 476, 477, 478, 479, 495)	2/4/2011	Accepted by PB
8	11/2010	Reinforcing dowels required at Beam BP100	11/24/10	Resolved - Dowels installed in accordance with PB response to RFI #656
9	12/16/2010	12 vs. 14 tendons in Duct BT11, Beam PB-4	1/28/2011	Accepted by PB
10	1/2011	Elongations out of tolerance – Pour 1D	1/28/2011	Accepted by PB
11	1/6/2011	Tendon broke, Pour 1F, Duct BT15-1	1/19/2011	Accepted by PB
12	1/5/2011	Tendon broke, Pour 1F, Duct BT14-2	1/19/2011	Accepted by PB

Item Number	Date of Inspection	Issue/Location	Resolution Date	Resolution
13	1/6/2011	Tendon U-22 exposed at surface, Pour 1C		Unresolved
14	2/2011	Elongations out of tolerance – Pour 2D	2/11/2011	Accepted by PB
15	2/2011	Pour 1H was not stressed within 96 hours after concrete placement. It is now fully stressed. No other corrective action is available.		Unresolved

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## THE ROBERT B. BALTER COMPANY

*Geotechnical and Geo-environmental Engineers  
Construction Materials Testing and Inspection*

Silver Spring Transit Center  
Montgomery County, Maryland

### Non Compliance Form (Updated 2-15-2011)

Item Number	Date of Inspection	Issue/Location	Resolution Date	Resolution
1	various	Elongations out of tolerance – Pour 1A	10/6/10	Accepted by PB
2	various	Elongations out of tolerance – Pour 1B	10/15/10	Accepted by PB
3	various	Elongations out of tolerance – Pour 1C	11/11/10	Accepted by PB
4	various	Elongations out of tolerance – Pour 2A	11/18/2010	Accepted by PB
5	various	Elongations out of tolerance – Pour 1Ea	12/7/2010	Accepted by PB
6	various	Low grout cube 28-day compressive strength (Set numbers 402, 403, 410, 411, 414, 416, 420, 424, 425, 426, 427)	2/4/2011	Accepted by PB
7	various	Low grout cube 28-day compressive strength (Set numbers 476, 477, 478, 479, 495)	2/4/2011	Accepted by PB
8	11/2010	Reinforcing dowels required at Beam BP100	11/24/10	Resolved - Dowels installed in accordance with PB response to RFI #656
9	12/16/2010	12 vs. 14 tendons in Duct BT11, Beam PB-4	1/28/2011	Accepted by PB
10	1/2011	Elongations out of tolerance – Pour 1D	1/28/2011	Accepted by PB
11	1/6/2011	Tendon broke, Pour 1F, Duct BT15-1		Unresolved
12	1/5/2011	Tendon broke, Pour 1F, Duct BT14-2		Unresolved

Item Number	Date of Inspection	Issue/Location	Resolution Date	Resolution
13	1/6/2011	Tendon U-22 Exposed at surface, Pour 1C		Unresolved
14	2/2011	Elongations out of tolerance – Pour 2D	2/11/2011	Accepted by PB

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# THE ROBERT B. BALTER COMPANY

*Geotechnical and Geo-environmental Engineers  
Construction Materials Testing and Inspection*

Silver Spring Transit Center  
Montgomery County, Maryland

## Non Compliance Form (Updated 1-31-2011)

Item Number	Date of Inspection	Issue/Location	Resolution Date	Resolution
1	various	Elongations out of tolerance – Pour 1A	10/6/10	Accepted by PB
2	various	Elongations out of tolerance – Pour 1B	10/15/10	Accepted by PB
3	various	Elongations out of tolerance – Pour 1C	11/11/10	Accepted by PB
4	various	Elongations out of tolerance – Pour 2A	11/18/2010	Accepted by PB
5	various	Elongations out of tolerance – Pour 1Ea	12/7/2010	Accepted by PB
6	various	Low grout cube 28-day compressive strength (Set numbers 402, 403, 410, 411, 414, 416, 420, 424, 425, 426, 427)	12/21/2010	Unresolved - awaiting 28 day test breaks in accordance with RFI #686, due on 2/3/11.
7	various	Low grout cube 28-day compressive strength (Set numbers 476, 477, 478, 479, 495)	12/21/2010	Unresolved - awaiting 28 day test breaks in accordance with RFI #686, due on 2/3/11.
8	11/2010	Reinforcing dowels required at Beam BP100	11/24/10	Resolved - Dowels installed in accordance with PB response to RFI #656
9	12/16/2010	12 vs. 14 tendons in Duct BT11, Beam PB-4	1/28/2011	Accepted by PB
10	1/2011	Elongations out of tolerance – Pour 1D	1/28/2011	Accepted by PB
11	1/6/2011	Tendon broke, Pour 1F, Duct BT15-1		Unresolved
12	1/5/2011	Tendon broke, Pour 1F, Duct BT14-2		Unresolved
13	1/6/2011	Tendon U-22 Exposed at surface, Pour 1C		Unresolved

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# THE ROBERT B. BALTER COMPANY

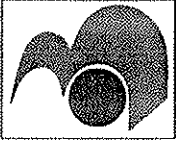
Geotechnical and Geo-environmental Engineers  
Construction Materials Testing and Inspection

Silver Spring Transit Center  
Montgomery County, Maryland

## Non Compliance Form (Updated 1-11-2011)

Item Number	Date of Inspection	Issue/Location	Resolution Date	Resolution
1	various	Elongations out of tolerance – Pour 1A	10/6/10	Accepted by PB
2	various	Elongations out of tolerance – Pour 1B	10/15/10	Accepted by PB
3	various	Elongations out of tolerance – Pour 1C	11/11/10	Accepted by PB
4	various	Elongations out of tolerance – Pour 2A		Unresolved
5	various	Elongations out of tolerance – Pour 1Ea		Unresolved
6	various	Low grout cube 28-day compressive strength (Set numbers 402, 403, 410, 411, 414, 416, 420, 424, 425, 426, 427)		Unresolved
7	various	Low grout cube 28-day compressive strength (Set numbers 476, 477, 478, 479, 495)		Unresolved
8	11/2010	Reinforcing dowels required at Beam BP100	11/24/10	Dowels installed in accordance with PB response to RFI #656
9	12/16/2010	12 vs. 14 tendons in Duct BT11, Beam PB-4		Unresolved. New inspection checklist created.
10	1/2011	Elongations out of tolerance – Pour 1D		Unresolved
11	1/6/2011	Tendon broke, Pour 1F, Duct BT15-1		Unresolved

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# THE ROBERT B. BALTER COMPANY

Geotechnical and Geo-environmental Engineers  
Construction Materials Testing and Inspection

Silver Spring Transit Center  
Montgomery County, Maryland

## Non Compliance Form (Updated 12-14-2010)

Item Number	Date of Inspection	Issue/Location	Resolution Date	Resolution
1	various	Elongations out of tolerance – Pour 1A	10/6/10	Accepted by PB
2	various	Elongations out of tolerance – Pour 1B	10/15/10	Accepted by PB
3	various	Elongations out of tolerance – Pour 1C	11/11/10	Accepted by PB
4	various	Elongations out of tolerance – Pour 2A		Unresolved
5	various	Elongations out of tolerance – Pour 1Ea		Unresolved
6	various	Low grout cube 28-day compressive strength (Set numbers 402, 403, 410, 411, 414, 416, 420, 424, 425, 426, 427)		Unresolved
7	various	Low grout cube 28-day compressive strength (Set numbers 476, 477, 478, 479, 495)		Unresolved
8	11/2010	Reinforcing dowels required at BP100 beam	11/24/10	Dowels installed in accordance with PB response to RFI #656

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# THE ROBERT B. BALTER COMPANY

Geotechnical and Geo-environmental Engineers  
Construction Materials Testing and Inspection

Silver Spring Transit Center  
Montgomery County, Maryland

## Non Compliance Form (Updated 12-2-2010)

Item Number	Date of Inspection	Issue/Location	Resolution Date	Resolution
1	various	Elongations out of tolerance – Pour 1A	10/6/10	Accepted by PB
2	various	Elongations out of tolerance – Pour 1B	10/15/10	Accepted by PB
3	various	Elongations out of tolerance – Pour 1C	11/2/10	Accepted by PB
4	various	Elongations out of tolerance – Pour 2A		Unresolved
5	various	Elongations out of tolerance – Pour 1E		Unresolved
6	various	Low grout cube 28-day compressive strength (Set numbers 402, 403, 410, 411, 414, 416, 420, 424, 425, 426, 427)		Unresolved



BALTER COMPANY

Geotechnical and Geo-environmental Engineers  
Construction Materials Testing and Inspection

Page 1 of 1

Date: 12/3/2010

[www.BALTERco.com](http://www.BALTERco.com)

## POST TENSIONED CONCRETE DECK INSPECTION REPORT

Project: Silver Spring Transit Center

Contract No.: 16027-0

Location of Pour: 2B

### Required Inspections:

- ☐ Location, spacing, orientation, and number of tendons and ducts.
- ☐ Condition of tendons and ducts.
- ☐ Repair of damaged ducts.
- ☐ Duct high and low points (profiles) at the correct elevation with sufficient cover.
- ☐ Grout vents at proper high and low locations.
- ☐ Duct adequately secured for entire length.
- ☐ Duct chairs installed properly.
- ☐ Connection between ducts and anchorage devices.
- ☐ Fixed end wedges evenly and adequately seated in the anchor.
- ☐ Location, installation, condition, and proper securing of anchorage devices.
- ☐ Installation of backup bars, hairpins, and other standard reinforcement.
- ☐ Installation of pocket formers.
- ☐ Deck clean and free of debris.
- ☐ Formwork has correct shape, location, and dimensions.
- ☐ Verify minimum separation from tendons to plumbing and electrical penetrations.

### Non-compliances:

1. Uniform slab tendons are below mid-point of slab where live ends are anchored. Tendons U-76 through 140, U-145 to 158, and U-170 to 184 have this condition @ live ends.
2. Uniform tendon U-143 has excessive sweep between B-5 & C-5 lines.
3. PG 52: GT 22.3 tendons are reversed @ A-8.

Parties Notified: Tim Herbold, Brook Foster, Facchina

Balter Representative:

Tony Lord Day, Ted

CORRECTED PRIOR  
TO POUR ON 12/7/10.

SHEET 15

DAILY REPORTPage 1 of 1

Project: Silver Spring Transit Center Contract No.: 16027-0  
Client: Montgomery County Date: 12/7/2010  
Contractors: Foulger-Pratt Weather: Mostly Clear Temps: 25-35  
Type of Inspections: Inspection of post-tensioning system installation

Tests Performed: \_\_\_\_\_

Samples Sent for Testing: \_\_\_\_\_

Contacts: Tim Herbold, Scott Hamilton, Brook Foster, Doug Goetz

Summary of today's work: Facchina: 1. Completed placement of tendons and associated reinforcement for pour 2B. All non-compliances were corrected (see deck inspection report). Placement was completed as per VSL and structural drawings, and email from Doug Lang of RB dated 12/6/10 regarding 4 uniform tendons U 75-78.  
2. Pumped concrete for pour 2B, 1:00 am - 5:30 pm. The Robert B Balter Co. employed 6 inspectors (at testing station, concrete pump, and on deck). Concrete quantity: 1,170 cubic yards. Concrete was tested for slump, AE, temp, and w/c ratio. All concrete placed was within project specifications. Underside of deck was tented and

heated before, during, and after concrete placement. Heat is scheduled for 3 days. Slab was covered with poly sheets followed by insulated blankets. Twenty-eight sets of concrete test cylinders were cast. Three sets of test cylinders were cast at pump discharge, others were cast at testing station and placed in curing shed and field-cured cylinder storage location. See report by John Welk for additional information.

Verification: \_\_\_\_\_ Hours: Reg 8 OT 11 Inspector: Tony Lord

INFORMATION IS SUBJECT TO FINAL REVIEW: Supervisor: \_\_\_\_\_ PE: \_\_\_\_\_



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Date: 12/7/10

## **POST TENSIONED CONCRETE** **DECK INSPECTION REPORT**

Project: Silver Spring Transit Center

Contract No.: 16027-0

Location of Pour: 2B

### Required Inspections:

- ☒ Location, spacing, orientation, and number of tendons and ducts.
- ☒ Condition of tendons and ducts.
- ☒ Repair of damaged ducts.
- ☒ Duct high and low points (profiles) at the correct elevation with sufficient cover.
- ☒ Grout vents at proper high and low locations.
- ☒ Duct adequately secured for entire length.
- ☒ Duct chairs installed properly.
- ☒ Connection between ducts and anchorage devices.
- ☒ Fixed end wedges evenly and adequately seated in the anchor.
- ☒ Location, installation, condition, and proper securing of anchorage devices.
- ☒ Installation of backup bars, hairpins, and other standard reinforcement.
- ☒ Installation of pocket formers.
- ☒ Deck clean and free of debris.
- ☒ Formwork has correct shape, location, and dimensions.
- ☒ Verify minimum separation from tendons to plumbing and electrical penetrations.

Notes: Four tendons were approx. 1" below 5" CGS @ live end over  
PB-66 (U-75, 76, 77, 78). Per email from SER Doug Long,  
these were placed as high as possible.

Non-Compliant Issues: All were corrected that were listed on  
previous deck inspection reports.

Parties Notified: \_\_\_\_\_

Balter Representative: Tony Lord



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Date: 12/20/10

## POST TENSIONED CONCRETE DECK INSPECTION REPORT

Project: Silver Spring Transit Center

Contract No.: 16027-0

Location of Pour: 1D level 330', between A+C-1 & 3.2

### Required Inspections:

- ☒ Location, spacing, orientation, and number of tendons and ducts.
- ☒ Condition of tendons and ducts.
- ☒ Repair of damaged ducts.
- ☒ Duct high and low points (profiles) at the correct elevation with sufficient cover.
- ☒ Grout vents at proper high and low locations.
- ☒ Duct adequately secured for entire length.
- ☒ Duct chairs installed properly.
- ☒ Connection between ducts and anchorage devices.
- ☒ Fixed end wedges evenly and adequately seated in the anchor.
- ☒ Location, installation, condition, and proper securing of anchorage devices.
- ☒ Installation of backup bars, hairpins, and other standard reinforcement.
- ☒ Installation of pocket formers.
- ☒ Deck clean and free of debris.
- ☒ Formwork has correct shape, location, and dimensions.
- ☒ Verify minimum separation from tendons to plumbing and electrical penetrations.

Notes: \_\_\_\_\_

Non-Compliant Issues: \_\_\_\_\_

Parties Notified: \_\_\_\_\_

Balter Representative: \_\_\_\_\_

(Brady Payen) See RBB Co. daily report  
Tony Lord, Phil Welch



## Field Observation Comments

By: Douglas Lang, PE

Date: December 15, 2010 (Site observations December 15, 2010)

This is to document PB observations and discussions on site. The focus of observations was primarily with regard to the completion of work required in preparation for Pour 1D initial area of concrete placement at Level 330. The following items were observed and discussed with F-P, Facchina, Montgomery County and Balter.

- Pour 1D area was observed in progress and nearing completion of tendon and bar placement. PB will review construction, note the progress and identify areas where specific attention is required based on the conditions observed. See Photos 1, 2, and 3 for overview.
- Bottom bars for slab construction appear to be in place at appropriate size and spacing. Areas were noted where bars need to be secured. Securing of slab tendons at locations crossing beams was in progress.
- Work is in progress finishing installation of tendons in ducts and placing slab top bars. Slab top bar placement was approximately 80 percent complete.
- Beam and girder main reinforcing from Grid B and to the plan north appeared to be nearly complete with work being completed near column A9-1.1 and along the pour joint with area 1C. Installation of final girder stirrup bars was in progress in this area. Much of the reinforcing in the small portion of Pour 1D south of Grid B, through the Elevator lobby area between Grids B and C, 2 and 3, and, south of Grid C has not yet been completed.
- Beam tendon splices at the joint with area 1C have not yet been completed. Tendons must still be locked into the wedges at the splice, the encasing steel cone must be secured in place and the duct secured to the steel cone. See Photo 4.
- Shrinkage and Temperature (S&T) Tendon placement appeared to be nearly complete and it appeared that the tendons have been locked into the wedges at the joint to area 1C however the S&T tendons that dead end at the joint must be set and secured in the form and all of the duct to splice and duct to dead end anchor connections must be secured.
- Slab diagonal band S&T tendon installation was in progress. Ducts appeared to be in place but tendons have not yet been installed in all of those ducts.
- Noted that adjacent to A2-1.9, there is a main slab tendon dead end anchor on the first short tendon that currently is set too high. It appeared that it may be possible to insert it into the side of the girder.
- Noted that at the north end of PG-21, the second layer of the top steel should be adjusted to align and space the bars. Noted also that while workers were blowing debris out of the forms, the bottom of PG-21 was covered in a thick layer of snow and sawdust.
- Noted that there are several stirrups extending up significantly above the slab near the south end of PG-21.
- Noted that in the location where PB-33A "F" bars lap to PG-29 "C" bars, all of these bars are tight side to side with insufficient space between the bars for concrete to pass through. The



PB-33A "F" bars should be spread to locate several in slab adjacent to the beam and those lapped may be placed with the "F" bar under the corresponding "C" bar. See Photo 5.

J.W.  
12-20-10

- Noted that where PG-2 "C" bars and PG-3 "C" bars lap in the PG-3 span, the bars are somewhat side to side with insufficient space. It appeared that effort had been made to place the bars positioned stacked vertically and this would be acceptable. It may be necessary to place short pieces of #11 bar vertically between the main bars to maintain the proper spacing. See Photo 6.

J.W.  
10-20-10  
BP  
12-20-10

- Noted that additional corner reinforcing required per 10/S4.03 had not yet been installed at the corner at column A-2 and must be installed. See Photo 7.
- Noted that several diagonal S&T tendons have slight "S-shaped" curve in plan and should be straightened as much as possible.
- Noted that reinforcing for perimeter barrier walls is not yet in place.
- Generally, reinforcing installation needs to be completed as described above and as follows:

J.W.  
12-20-10

J.W.  
BP  
12-20-10

- Review and installation / adjustment of beam and girder stirrups.
- Final review of slab PT ducts spacing, alignment, clearance to edges and sleeves, and elevation / profile.
- Installation of additional reinforcing around sleeves / slab penetration.
- Verification/installation of back-up bars at slab PT anchors
- Any corrections in response to Balter inspections.

Items that were not specifically discussed during on-site observations, that should also be addressed –

BP

- ❖ Reminder to locate the slab dead end anchors at the mid-depth of the slab (5" from top and bottom). Identify and address "high" positions.

BP

- ❖ Reminder that slab tendons must stay on the scheduled profiles (elevations along the length of the slab span) and that most of the slab tendon high points over beams are 2 1/2" down from the top of the slab / 7 1/2" up from the bottom of the slab. Accounting for the size of the duct and using up the full tolerance on vertical position, the top of the duct should not be closer than 1 3/8" below the top of the slab. F-P has made a template to check that this dimension is held. Where necessary, the beam top bars need to be slightly adjusted down to hold the slab PT in the appropriate elevation.

J.W.

- ❖ Elevations of formwork, system for maintaining required design elevations at the top of the concrete, and system for maintaining typical concrete thickness at 10" should be verified by all parties.

- ❖ Location, layout and installation of slab depression, including the supplemental reinforcing for depressed area, for later placement of the bottom edge of curb ramp must be completed.





Additional discussions and observations included:

- Observed, with F-P, Facchina, WMATA and MTA that Pour 2B slab surface finish has issues that are unacceptable for work going forward and will be recorded for future review and evaluation to determine remedial action if required. Issues noted included numerous narrow surface cracks that appear somewhat like spiderwebs, foot prints, and at least one location where small ridge was created by broom during finishing. See Photos 8 and 9.



## Field Observation Comments

By: Douglas Lang, PE

Date: December 28, 2010 (Site observations December 28, 2010)

This is to document PB observations and discussions on site. The focus of observations was primarily with regard to the completion of work required in preparation for Pour 1F area of concrete placement at Level 330. The following items were observed and discussed with F-P, Facchina, Montgomery County and Balter.

- Pour 1F area was observed as placement of reinforcing and post-tensioning tendon ducts was being completed and Balter was in the process of performing the pre-final inspection of reinforcing bar locations and quantities including the types and positions of beam and girder stirrups. Installation of electrical conduit also appeared to be nearly complete. See Photos 1 and 2 for overview. See Photos 3 for typical conduit installation and Photo 4 for conduit condition at expansion joint at grid 6.
- Bottom bars for slab construction appear to be in place at appropriate size and spacing. Securing of slab tendons at locations crossing beams also appeared to be essentially complete with minor adjustments in progress.
- Ducts for all post-tensioning appeared to be in place. Installation of tendons through girder ducts at grid 6 has not yet been started and the ducts and fittings at the plan north end coupler have not been installed. Installation of tendons into all ducts must be checked prior to pour.
- Slab top bar placement appeared to be essentially complete with minor adjustments in progress.

OK  
12:35pm

- PB discussed with F-P, Facchina and Balter that stirrups in the cantilevered girder PG-9 are scheduled to be Type 4 (6 vertical legs) spaced at 6" full length and that only 4 vertical legs had been installed at this time. We discussed that the two additional internal legs could be installed with the standard set of stirrups at 6" spacing with hooks pointed opposite of the single leg stirrups that had been installed, or, they could be placed between the standard sets with the same orientation as the single legs that are already installed (the single leg stirrups would be at 3" spacing, all aligned).

OK  
12:37pm

- Also discussed with the team that at cantilever girder PG-9, the tendon ducts that extend through the column and completely to the end of the cantilever need to have a very smooth transition laterally in plan to reach the end of the cantilever. The group reviewed the condition and Facchina adjusted the top duct to smooth the transition and align with tendon duct below. Discussed that 5#10 PG-9 top bars stop in column D-6 and one of the 9#10 PG-9 top bars that extend to the end of the cantilever will be located in the adjacent small slab cantilever. Additionally we discussed that the slab cantilever beside the girder will be reinforced essentially as shown in 3/S4.05 for a similar condition. Reinforcing will be either #5@12" or #4 @ 8" "hairpin" bars.
- Observed the locations at grid 8 and near grid 9 where stair enclosures will be anchored during this project or in the future. The embedded plate and reinforcing assemblies with anchor bolts at the plan south edge of the structure were in place, but the anchor bolts at the

OK  
1:01pm

\* NEED TO INSTALL 3 #5 VERTICAL BARS FOR PARAPET WALL "D" LINE BETWEEN columns 6/7

OK 2:33pm — \* NEED 6 TYPE 4 <sup>TO BE</sup> INSTALLED AT PG 10 @ CONSTRUCTION JOINT END.

OK — \* NEED 1 TYPE 4 INSTALLED AT PG 5 @ CONSTRUCTION JOINT END.

12:57pm

OK — \* NEED 6 TYPE 4 INSTALLED AT PG 5 @ D LINE END



plan north bearing points for the enclosures have not yet been installed. At the embedded plate and reinforcing assemblies, reinforcing bars should extend up from the top of main structure to anchor the concrete that will be directly under the bearing plate assembly per previous correspondence. See Photos 5 and 6 for areas where enclosure anchor bolts installation must be completed.

- W  
↓
- Generally, reinforcing installation needs to be completed as described above and as follows:
    - OK—o Review and installation / adjustment of beam and girder stirrups.
    - OK—o Final review of slab PT ducts spacing, alignment, clearance to edges and sleeves, and elevation / profile.
    - OK—o Installation of additional reinforcing around sleeves / slab penetration.
    - OK—o Verification/installation of back-up bars at slab PT anchors
    - OK—o Any corrections in response to Balter inspections.

Items that were not specifically discussed during on-site observations, that should also be addressed –

- T.L.
- ❖ Reminder to locate the slab dead end anchors at the mid-depth of the slab (5" from top and bottom). Identify and address "high" positions.
  - ❖ Reminder that slab tendons must stay on the scheduled profiles (elevations along the length of the slab span) and that most of the slab tendon high points over beams are 2 1/2" down from the top of the slab / 7 1/2" up from the bottom of the slab. Accounting for the size of the duct and using up the full tolerance on vertical position, the top of the duct should not be closer than 1 3/8" below the top of the slab. F-P has made a template to check that this dimension is held. Where necessary, the beam top bars need to be slightly adjusted down to hold the slab PT in the appropriate elevation.
  - T.L.
  - DS ❖ Elevations of formwork, system for maintaining required design elevations at the top of the concrete, and system for maintaining typical concrete thickness at 10" should be verified by all parties.
  - ❖ Location, layout and installation of slab depression, including the supplemental reinforcing for depressed area, for later placement of the bottom edge of curb ramp must be completed.

Additional discussions and observations included:

- DS
- o F-P, Facchina, noted to the team including WMATA and MTA that Pour 1D stressing is in progress and that beam elongations have generally been slightly low during the initial stressing and would be reviewed by VSL. Facchina also noted that tendon BT-11 for a PB 4 (a beam that extends on continuous to PB-5 and others) was placed with only 12 tendons instead of the 14 tendons that had been detailed and approved on the shop drawings. The situation is under overall QC review and VSL is reviewing to provide both the effective force that would be provided by the tendon as it exists and for a condition where the 12 tendons would be stressed to a greater initial force. PB will review the design for both conditions and provide response / recommendation.



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Date: 12/30/2010

## POST TENSIONED CONCRETE DECK INSPECTION REPORT

Project: Silver Spring Transit Center

Contract No.: 16027-0

Location of Pour: Pour 1 F, 330' Level

### Required Inspections:

- ☒ Location, spacing, orientation, and number of tendons and ducts.
- ☒ Condition of tendons and ducts.
- ☒ Repair of damaged ducts.
- ☒ Duct high and low points (profiles) at the correct elevation with sufficient cover.
- ☒ Grout vents at proper high and low locations.
- ☒ Duct adequately secured for entire length.
- ☒ Duct chairs installed properly.
- ☒ Connection between ducts and anchorage devices.
- ☒ Fixed end wedges evenly and adequately seated in the anchor.
- ☒ Location, installation, condition, and proper securing of anchorage devices.
- ☒ Installation of backup bars, hairpins, and other standard reinforcement.
- ☒ Installation of pocket formers.
- ☒ Deck clean and free of debris.
- ☒ Formwork has correct shape, location, and dimensions.
- ☒ Verify minimum separation from tendons to plumbing and electrical penetrations.

Notes: \_\_\_\_\_

Non-Compliant Issues: \_\_\_\_\_

Parties Notified: \_\_\_\_\_

Balter Representative: Tony Lord John Welk  
Tony Lord John J. Welk

RBB Co.

1-11-11

Corrections needed to be done for

2C 350' level concrete deck pour

- 1.) PG-45, stirrup spacing type (2) should be 12" not 16"
- 2.) PG-45 stirrups need top (dogs) placed on them from "C to D"
- 3.) Reinforcing steel touching edge forms @ column A-5
- 4.) Need to add additional reinforcing steel as per (SER) Doug Lang where epoxy coated reinforcing steel was gouged by cutting saw @ PB-56/PB-57 & PG-46
- 5.) Need additional reinforcing steel added for sleeves @ PG-43 & PG-44
- 6.) Need to install corner bars as per (detail note) @ column lines C-5 & C-6
- 7.) Install (5) #9 Bars between deck pours 2C & 2D level 350' @ beams PB-56, PB-62, PB-71, PB-71, P-71, PB-97, PB-103 & PB-111
- 8.) Additional reinforcing steel (as per detail) needed for drains (diagonal bars)
- 9.) Reinforcing steel touching deck forms @ drain near line "A-1-5"



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Date: 1/12/2011

## **POST TENSIONED CONCRETE** **DECK INSPECTION REPORT**

Project: Silver Spring Transit Center

Contract No.: 16027-0

Location of Pour: Pour 2 C

### Required Inspections:

- ☐ Location, spacing, orientation, and number of tendons and ducts.
- ☐ Condition of tendons and ducts.
- ☐ Repair of damaged ducts.
- ☐ Duct high and low points (profiles) at the correct elevation with sufficient cover.
- ☐ Grout vents at proper high and low locations.
- ☐ Duct adequately secured for entire length.
- ☐ Duct chairs installed properly.
- ☐ Connection between ducts and anchorage devices.
- ☐ Fixed end wedges evenly and adequately seated in the anchor.
- ☐ Location, installation, condition, and proper securing of anchorage devices.
- ☐ Installation of backup bars, hairpins, and other standard reinforcement.
- ☐ Installation of pocket formers.
- ☐ Deck clean and free of debris.
- ☐ Formwork has correct shape, location, and dimensions.
- ☐ Verify minimum separation from tendons to plumbing and electrical penetrations.

Notes: Beam tendon profiles are not set as  
per VSL drawings in a number of locations.  
Make corrections to beam profiles as required.

Non-Compliant Issues: \_\_\_\_\_

Parties Notified: Ken Grutt (Focching), Brook Foster (Foulger Pratt)  
Doug Gostz (Foulger-Pratt)

Balter Representative: Tony Lord

JC  
SHEET 13



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Date: 1/13/2011

## **POST TENSIONED CONCRETE** **DECK INSPECTION REPORT**

Project: Silver Spring Transit Center

Contract No.: 16027-0

Location of Pour: 2 C elev. 350

### Required Inspections:

- ☒ Location, spacing, orientation, and number of tendons and ducts.
- ☒ Condition of tendons and ducts.
- ☒ Repair of damaged ducts.
- ☒ Duct high and low points (profiles) at the correct elevation with sufficient cover.
- ☒ Grout vents at proper high and low locations.
- ☒ Duct adequately secured for entire length.
- ☒ Duct chairs installed properly.
- ☒ Connection between ducts and anchorage devices.
- ☒ Fixed end wedges evenly and adequately seated in the anchor.
- ☒ Location, installation, condition, and proper securing of anchorage devices.
- ☒ Installation of backup bars, hairpins, and other standard reinforcement.
- ☒ Installation of pocket formers.
- ☒ Deck clean and free of debris.
- ☒ Formwork has correct shape, location, and dimensions.
- ☒ Verify minimum separation from tendons to plumbing and electrical penetrations.

Notes: Beam profiles all corrected (see 1/12/2011  
report)

Non-Compliant Issues: \_\_\_\_\_

Parties Notified: \_\_\_\_\_

Balter Representative: Gary Reed  
John Welch





## Field Observation Comments

By: Douglas Lang, PE

Date: January 13, 2011 (Site observations January 13, 2011)

This is to document PB observations and discussions on site. The focus of observations was primarily with regard to the completion of work required in preparation for Pour 2C area of concrete placement at Level 350. The following items were observed and discussed with F-P, Facchina, Montgomery County and Balter.

- J.W. 1-13-11
  - Pour 2C area was observed as placement of reinforcing and post-tensioning tendon ducts was nearing completion and Balter was in the process of performing the follow-up inspections to their pre-final inspection of reinforcing bar locations and quantities including the types and positions of beam and girder stirrups. Installation of electrical conduit also appeared to be nearly complete. See Photos 1 and 2 for overview.
- J.W. 1-13-11
  - Top and bottom bars for slab construction appear to be in place at appropriate size and spacing. Some installation of supplemental reinforcing for sleeves, slab corners, and drains remained to be completed. Securing of slab tendons at locations crossing beams also appeared to be essentially complete with minor adjustments in progress.
  - Ducts for all post-tensioning appeared to be in place. Slab tendon anchors were being completed at two tendons at the plan northeast corner of the pour area.
- J.W. 1-13-11
  - PB discussed with F-P, Facchina and Balter locations where girder top bars at grid A column had been nicked during cutting of column top bars. Nicks were approximately 1/8" x 3/16" and F-P / Facchina spliced a #5 bar across the damaged area to replace steel area. Nicks were coated with epoxy repair material. PB observed that column bar cut-off was still being completed at column B-4.
- T.L. 1/13/11
  - Discussed that the slab tendons in short slab spans adjacent to planters may be placed with the bottom of the tendon at 4" to 5" above the bottom of the slab. See Photo 3.
  - Installation of barrier bars is on-going.
- T.L. 1/13/11
  - Balter noted and PB observed beam tendons crossing the girder at grid 4 have a profile that is too high and flat, particularly on the plan east side. Balter noted that Facchina had been alerted about the condition and it would be re-checked.
- T.L. 1/13/11
  - Balter noted that beam post-tensioning dead end anchors at the expansion joint at grid 6 were consistently low by 1" to 2". Facchina alerted to bring up to design location, typical.
- T.L. 1/13/11
  - The horizontal position of the tendon duct in PB-104 from grid 5 to grid 6 was not centered and had some curve. Facchina was alerted.
- T.L. 1/13/11
  - One shrinkage and temperature tendon between PB-77 and PB-98 had a large sweep and should be straightened. See Photo 4.
- T.L. 1/13/11
  - Steel bearing plate at the plan south end of the expansion joint along grid 6 had a gap of approximately 1/2" to the next plate. Plate needs to be adjusted to eliminate gap. See Photo 5.
- J.W. 1-14-11
  - Unable to close gap up between plates  
gap was sealed up with Sica laytex sealant



FW  
1-13-11

- Generally, reinforcing installation needs to be completed as described above and as follows:
  - Review and installation / adjustment of beam and girder stirrups.
  - Final review of slab PT ducts spacing, alignment, clearance to edges and sleeves, and elevation / profile.
  - Installation of additional reinforcing around sleeves / slab penetration.
  - Verification/installation of back-up bars at slab PT anchors
  - Any corrections in response to Balter inspections.

Items that were not specifically discussed during on-site observations, that should also be addressed –

- ❖ Reminder to locate the slab dead end anchors at the mid-depth of the slab (5" from top and bottom). Identify and address "high" positions.
- ❖ Reminder that slab tendons must stay on the scheduled profiles (elevations along the length of the slab span) and that most of the slab tendon high points over beams are 2 ½" down from the top of the slab / 7 ½" up from the bottom of the slab. Accounting for the size of the duct and using up the full tolerance on vertical position, the top of the duct should not be closer than 1 3/8" below the top of the slab. F-P has made a template to check that this dimension is held. Where necessary, the beam top bars need to be slightly adjusted down to hold the slab PT in the appropriate elevation.
- ❖ Elevations of formwork, system for maintaining required design elevations at the top of the concrete, and system for maintaining typical concrete thickness at 10" should be verified by all parties.
- ❖ Location, layout and installation of slab depression, including the supplemental reinforcing for depressed area, for later placement of the bottom edge of curb ramp must be completed.



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Date: 1/29/2011

## **POST TENSIONED CONCRETE** **DECK INSPECTION REPORT**

Project: Silver Spring Transit Center

Contract No.: 16027-0

Location of Pour: Pour 2D Level 350

### Required Inspections:

- ☒ Location, spacing, orientation, and number of tendons and ducts.
- ☒ Condition of tendons and ducts.
- ☒ Repair of damaged ducts.
- ☒ Duct high and low points (profiles) at the correct elevation with sufficient cover.
- ☒ Grout vents at proper high and low locations.
- ☒ Duct adequately secured for entire length.
- ☒ Duct chairs installed properly.
- ☒ Connection between ducts and anchorage devices.
- ☒ Fixed end wedges evenly and adequately seated in the anchor.
- ☒ Location, installation, condition, and proper securing of anchorage devices.
- ☒ Installation of backup bars, hairpins, and other standard reinforcement.
- ☒ Installation of pocket formers.
- ☒ Deck clean and free of debris.
- ☒ Formwork has correct shape, location, and dimensions.
- ☒ Verify minimum separation from tendons to plumbing and electrical penetrations.

Notes:

Cleanup is needed before signoff.  
Debris is in beams, girders, and on deck. J. Well

Non-Compliant Issues:

Parties Notified:

Balter Representative:

Tony Lord  
John J. Welch



## Field Observation Comments

By: Douglas Lang, PE

Date: January 26, 2011 (Site observations January 25, 2011)

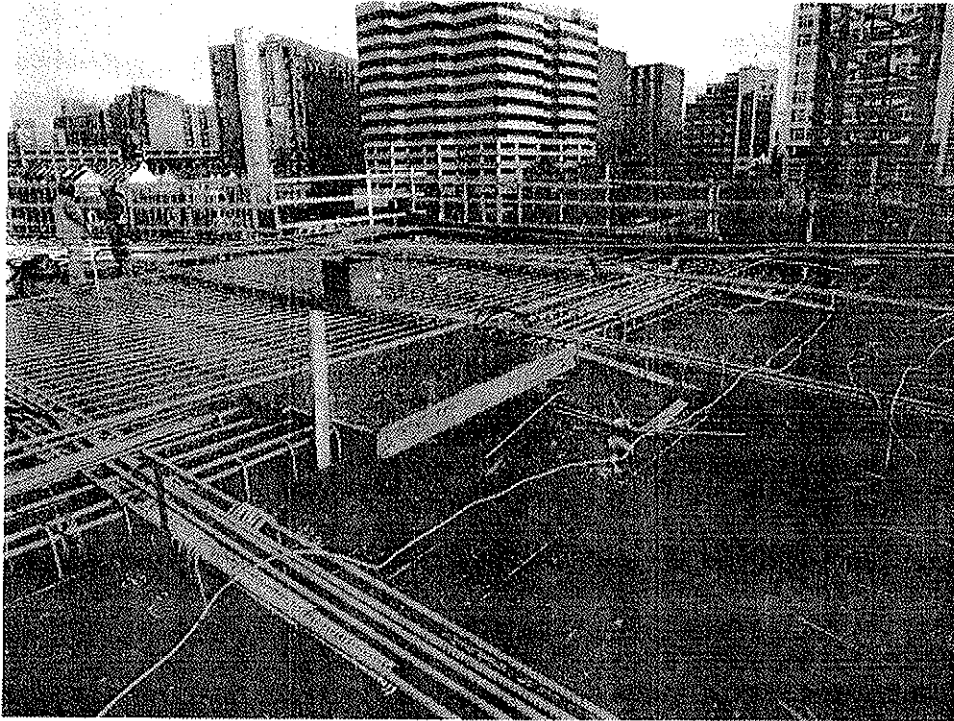
This is to document PB observations and discussions on site. The focus of observations was primarily with regard to the status of work required in preparation for Pour 2D area of concrete placement at Level 350. The following items were observed and discussed with F-P, Facchina, Montgomery County and Balter.

- 1-29-11  
JWL  
• Discussed that Facchina and VSL were working on Pour 1D, PG-4 tendon stressing review to provide VSL PE stamped and signed letter and calculations documenting that the PG-4 effective force as constructed will be at least 2250kips as they have indicated on the PT Evaluation Checklist that was provided after reinstallation and stressing of tendon GT-1 in that girder. Facchina anticipated having this for the team by 4PM.
- 1-29-11  
JWL  
• Pour 2D area was observed as placement of reinforcing was in progress and installation of slab post-tensioning tendon ducts was just being started. Balter was in the process of performing ongoing review and inspection of reinforcing bar locations and quantities including the types and positions of beam and girder stirrups during the installation. See Photos 1, 2 and 3 for overview.
- JWL  
• Bottom bars for much of the slab construction appear to be in place at appropriate size and spacing. Installation of the remaining bottom bars, and all top bars, supplemental reinforcing for sleeves, slab corners, and drains remained to be completed.
- 1-29-11  
JWL  
• Discussed that adjacent to the Elevator 1 & 2 door sill area, one slab PT stressing head and pocket too close to the slab notch for the middle steel elevator enclosure column. Facchina will switch positions with the adjacent embedded plate connection for the sill angle. See Photograph #4.
- 1-29-11  
JWL  
• All work to complete preparation for Pour 2D needs to be completed with Balter inspectors performing on-going and Final inspections. Reinforcing installation needs to be completed as described above and as follows:
  - ✓ o Review and installation / adjustment of beam and girder longitudinal bars and stirrups.
  - ✓ o Review of slab PT ducts spacing, alignment, clearance to edges and sleeves, and elevation / profile.
  - ✓ o Installation of additional reinforcing around sleeves / slab penetration.
  - ✓ o Verification/installation of back-up bars at slab PT anchors
  - ✓ o Any corrections in response to Balter inspections.

Items that were not specifically discussed during on-site observations, that should also be addressed --

- 1-29-11  
JWL
- ❖ Reminder to locate the slab dead end anchors at the mid-depth of the slab (5" from top and bottom). Identify and address "high" positions.

- ❖ Reminder that slab tendons must stay on the scheduled profiles (elevations along the length of the slab span) and that most of the slab tendon high points over beams are 2 ½" down from the top of the slab / 7 ½" up from the bottom of the slab. Accounting for the size of the duct and using up the full tolerance on vertical position, the top of the duct should not be closer than 1 3/8" below the top of the slab. F-P has made a template to check that this dimension is held. Where necessary, the beam top bars need to be slightly adjusted down to hold the slab PT in the appropriate elevation.
- ❖ Elevations of formwork, system for maintaining required design elevations at the top of the concrete, and system for maintaining typical concrete thickness at 10" should be verified by all parties.
- ❖ Location, layout and installation of slab depression, including the supplemental reinforcing for depressed area, for later placement of the bottom edge of curb ramp must be completed.



Photograph 1 – Pour 2D Progress – 9:00AM

Reinforcement  
Steel

Pour 2D level 350' Deck Pour

Punch list corrections needed to be done

- ✓ 1.) Vertical reinforcing bars (dowels) @ PB-55 & PG-40 to be tied (secured)
- ✓ 2.) PG-40 additional "J"-hooks needed for type 4 stirrups
- ✓ 3.) Top reinforcing bar steel (1-bar) needs to be lowered @ PG-40, (it would be sticking up through concrete if not lowered)
- ✓ 4.) Tie-down (secure) interior "J" hooks for type 4 stirrups PG-40 & PB-70 area
- ✓ 5.) Several areas where bottom reinforcing steel bars (mat) are laying (touching) deck formwork
- ✓ 6.) Additional reinforcing steel (top & bottom) needed around sleeves @ PG-38



## Field Observation Comments

By: Douglas Lang, PE

Date: February 7, 2011 (Site observations February 7, 2011)

This is to document PB observations and discussions on site. The focus of observations was primarily with regard to the status of work required in preparation for Pour 1G area of concrete placement at Level 330. The following items were observed and discussed with F-P, Facchina, Montgomery County and Balter.

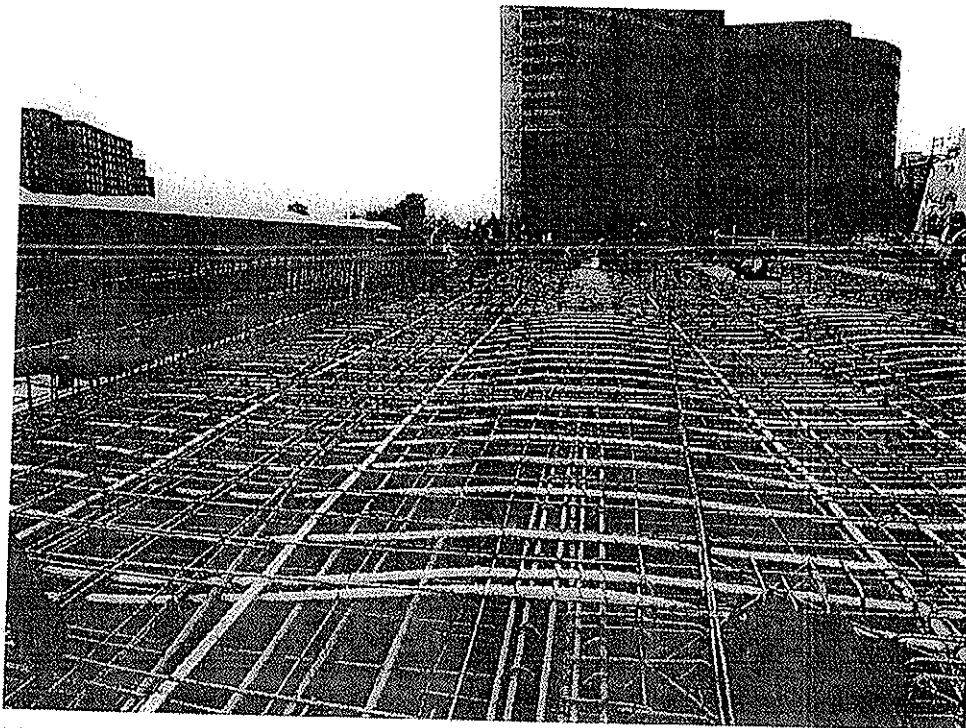
- fw 2-8-11
  - Pour 1G area was observed as placement of reinforcing was nearing completion. Facchina was completing installation of curb reinforcing between grids 5 and 6. Installation of post-tensioning tendon ducts appeared to be complete. Balter was in the process of performing final review and inspection of post-tensioning ducts, including profiles, reinforcing bar locations and quantities including the types and positions of beam and girder stirrups during the installation. See Photos 1, 2 and 3 for overview.
- fw 2-8-11
  - Main reinforcing of slabs beams and girders appeared to be complete.
- fw 2-8-11
  - Balter noted and we discussed that several slab main tendons crossing a wide beam, PB-43 appeared to have a small "dip" or slight low point over the beam. Balter measured the position of one of the ducts while I witnessed the measurement and the individual duct measured did not actually have the slight low point. Several were clearly visible and the condition should be corrected so that the tendons do not "dip" over the beams.
  - At the time of initial observation, the canopy column anchor bolts immediately plan west of the expansion joint near column D-6 were not installed, but, installation was completed during my time on site.
- fw 2-8-11
  - At the plan south end of PG-5 on grid 4, the spiral reinforcement around the top girder tendon stressing head was offset and must be centered on the tendon. See Photo 4.
- fw 2-8-11
  - Observed beam dead end anchors adjacent to the expansion joint and it appeared that the supplemental reinforcement at the anchors had been installed. See Photo 5.
- fw 2-8-11
  - Noted that the special slab corner reinforcement at the south edge of cantilevered structure area between grids 5 and 6 appeared to be in place. See Photo 6.
  - Electrician was finalizing conduit arrangement to suit spacing requirements and tying off the conduit.
- fw 2-8-11
  - Work to complete preparation for Pour 1G includes the items noted above and any items identified in Balter's final inspection.

Items that were not specifically discussed during on-site observations, that should also be addressed --

- ❖ Reminder to locate the slab dead end anchors at the mid-depth of the slab (5" from top and bottom). Identify and address "high" positions.



- ❖ Reminder that slab tendons must stay on the scheduled profiles (elevations along the length of the slab span) and that most of the slab tendon high points over beams are 2 ½" down from the top of the slab / 7 ½" up from the bottom of the slab. Accounting for the size of the duct and using up the full tolerance on vertical position, the top of the duct should not be closer than 1 3/8" below the top of the slab. F-P has made a template to check that this dimension is held. Where necessary, the beam top bars need to be slightly adjusted down to hold the slab PT in the appropriate elevation.
- ❖ Elevations of formwork, system for maintaining required design elevations at the top of the concrete, and system for maintaining typical concrete thickness at 10" should be verified by all parties.
- ❖ Location, layout and installation of slab depression, including the supplemental reinforcing for depressed area, for later placement of the bottom edge of curb ramp must be completed.



Photograph 1 – Pour 1G Progress – 12 Noon

Reinforcement  
Steel

Pour 1G level 330' Deck Pour

- ✓ 1.) Spacing of type (4) stirrups need to be corrected from 14"/16" to 10" @ PG-5 right end
- ✓ 2.) Also need (1) additional type (4) stirrup added @ PG-5 near "C" line
- ✓ 3.) Need (1) additional type (3) stirrup added @ PG-2 toward "C" - line
- ✓ 4.) Need (2) additional vertical #5 reinforcing bars for wall between column lines 4 & 5
- ✓ 5.) At PG-6C (1) top (dog) reinforcing bar for type (2) stirrups is missing, needs to be added
- ✓ 6.) Final clean up of deck & beams, girders
- ✓ 7.) Several areas where reinforcing steel bars were touching edge forms, or laying on (bottom) deck formwork need proper clearance



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Page 1 of 1

Date: 2/8/11

## **POST TENSIONED CONCRETE** **DECK INSPECTION REPORT**

Project: Silver Spring Transit Center

Contract No.: 16027-0

Location of Pour: Pour 1 G, 330 Level

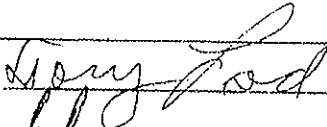
### Required Inspections:

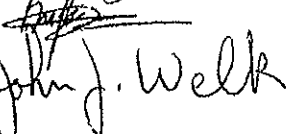
- ☒ Location, spacing, orientation, and number of tendons and ducts.
- ☒ Condition of tendons and ducts.
- ☒ Repair of damaged ducts.
- ☒ Duct high and low points (profiles) at the correct elevation with sufficient cover.
- ☒ Grout vents at proper high and low locations.
- ☒ Duct adequately secured for entire length.
- ☒ Duct chairs installed properly.
- ☒ Connection between ducts and anchorage devices.
- ☒ Fixed end wedges evenly and adequately seated in the anchor.
- ☒ Location, installation, condition, and proper securing of anchorage devices.
- ☒ Installation of backup bars, hairpins, and other standard reinforcement.
- ☒ Installation of pocket formers.
- ☒ Deck clean and free of debris.
- ☒ Formwork has correct shape, location, and dimensions.
- ☒ Verify minimum separation from tendons to plumbing and electrical penetrations.

Notes: \_\_\_\_\_

Non-Compliant Issues: \_\_\_\_\_

Parties Notified: \_\_\_\_\_

Balter Representative: 





## Field Observation Comments

By: Douglas Lang, PE

Date: February 16, 2011 (Site observations February 16, 2011)

This is to document PB observations and discussions on site. The focus of observations was primarily with regard to the status of work required in preparation for Pour 1H area of concrete placement at Level 330. The following items were observed and discussed with F-P, Facchina, Montgomery County and Balter.

J.W.  
2-17-11

- Pour 1H area was observed as placement of reinforcing and post-tensioning was in progress. Installation of slab uniform post-tensioning tendon ducts appeared to be nearing completion with work being done near column C-2. Balter was performing pre-final review and inspection of post-tensioning ducts, including profiles, reinforcing bar locations and quantities including the types and positions of beam and girder stirrups during the installation. See Photos 1, 2 and 3 for overview.

J.W.  
2-17-11

- Main bottom reinforcing of slabs, beams and girders, and main top reinforcing in beams and girders, appeared to be complete. Work was on-going for installation of slab top bars, final beam and girder stirrups and barrier wall bars.

T.L.  
2/17/11

- Slab diagonal band, mid-depth tendon ducts and tendons were being placed and were not complete at noon. See Photo 4.

T.L.

- Slab temperature ducts and tendons that run parallel to and between the beams were started at two locations and remaining majority had not been started.

J.W.  
2-17-11

- Work was in progress to complete reinforcing that will extend into stressing pockets for girders PG-31 adjacent to PG-33, and for PG-33 at column C8-1.3.

T.L.  
2/17/11

- Noted that one of the PG-33 tendon ducts had noticeable S-shaped sweep. Discussed with Facchina and Balter that the duct should not be S-shaped but just a single smooth curve to allow the duct to drop toward the bottom of the girder.

J.W.  
2-17-11

- At C1-1.1, the PG-30 extended end was to have included extension of 4 of the #10 girder top bars, but these were hooked into the column. Several smaller bars had been lapped on to extend into the extension. After review, PB informed F-P, Facchina and Balter that 8#7 or 12#6 bars should be used in the extension. See Photo 5

T.L.  
2/17/11

- During initial review, there were several conduits spaced too close together near column D-2, but this condition had been corrected by 11:00AM.

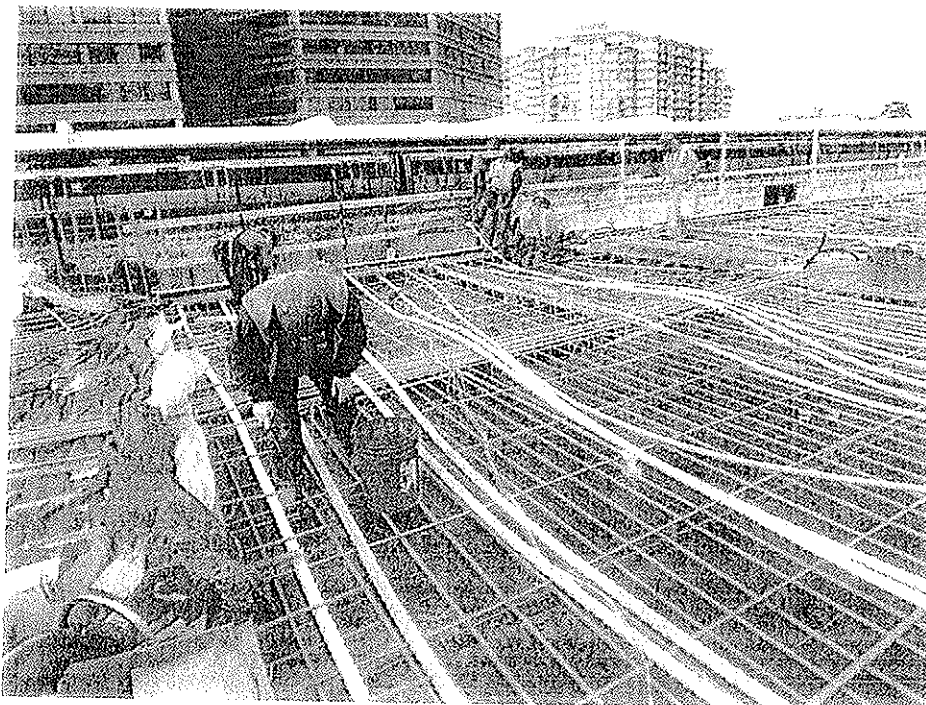
- Balter noted and we discussed that the slab uniform stressing heads and blockouts are mounted square to the sloped edge of the slab. This angles the tendons down as they enter the slab and the tendons then have a "hump" over the first support bar. Having the tendon profile down slightly is acceptable but the S-shaped "hump" is not. The solution is to slightly lower and move the first support bar inward to allow the tendon to have a smooth profile. See Photo 6.

J.W.  
2-17-11

- Work to complete preparation for Pour 1H includes the items noted above and any items identified in Balter's final inspection.

Items that were not specifically discussed during on-site observations, that should also be addressed --

- T.L.  
2/17/11
- ❖ Reminder to locate the slab dead end anchors at the mid-depth of the slab (5" from top and bottom). Identify and address "high" positions.
  - ❖ Reminder that slab tendons must stay on the scheduled profiles (elevations along the length of the slab span) and that most of the slab tendon high points over beams are 2 1/2" down from the top of the slab / 7 1/2" up from the bottom of the slab. Accounting for the size of the duct and using up the full tolerance on vertical position, the top of the duct should not be closer than 1 3/8" below the top of the slab. F-P has made a template to check that this dimension is held. Where necessary, the beam top bars need to be slightly adjusted down to hold the slab PT in the appropriate elevation.
  - ❖ Elevations of formwork, system for maintaining required design elevations at the top of the concrete, and system for maintaining typical concrete thickness at 10" should be verified by all parties.
  - ❖ Location, layout and installation of slab depression, including the supplemental reinforcing for depressed area, for later placement of the bottom edge of curb ramp must be completed.



Photograph 1 -- Pour 1H Progress -- 9:30 AM



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Page 1 of 1

Date: 2-17-11

## POST TENSIONED CONCRETE DECK INSPECTION REPORT

Project: Silver Spring Transit Center

Contract No.: 16027-0

Location of Pour: 1 H elevation 330' level

### Required Inspections:

- ☒ Location, spacing, orientation, and number of tendons and ducts.
- ☒ Condition of tendons and ducts.
- ☒ Repair of damaged ducts.
- ☒ Duct high and low points (profiles) at the correct elevation with sufficient cover.
- ☒ Grout vents at proper high and low locations.
- ☒ Duct adequately secured for entire length.
- ☒ Duct chairs installed properly.
- ☒ Connection between ducts and anchorage devices.
- ☒ Fixed end wedges evenly and adequately seated in the anchor.
- ☒ Location, installation, condition, and proper securing of anchorage devices.
- ☒ Installation of backup bars, hairpins, and other standard reinforcement.
- ☒ Installation of pocket formers.
- ☒ Deck clean and free of debris.
- ☒ Formwork has correct shape, location, and dimensions.
- ☒ Verify minimum separation from tendons to plumbing and electrical penetrations.

Notes: \_\_\_\_\_

Non-Compliant Issues: \_\_\_\_\_

Parties Notified: \_\_\_\_\_

Balter Representative:

John J. Welch Toughed

Reinforcement  
Steel Corrections  
List

Pour 1H level 330' Deck Pour  
2-18-11

Page 1

- ✓ 1.) At PG-32 from C-2 line missing (top dog legs) for type (4) stirrups
- ✓ 2.) At PG-1 from C-2 all type (3) stirrups need (top dog legs)
- ✓ 3.) At PG-30 from C-1 "S" Bars need to be adjusted (spacing)
- ✓ 4.) Need 8 #7 bars or 12 #6 for extended area @ PG-30 @ C-1
- ✓ 5.) Need to add both (2) #8 bars as per RFI #734 SKS020911-B @ PB-40 @ C8 @ 1.3
- ✓ 6.) At PG-30 from C-1 need j-hooks (guts) for last couple type (3) stirrups
- ✓ 7.) At PG-33 all (top dog legs) need to be installed for stirrups
- ✓ 8.) Additional reinforcing steel @ pipe sleeves needs to be added
- ✓ 9.) Tie-down (secure) stirrups for some beams & girders throughout pour 1H
- ✓ 10.) Final clean up of deck, beams & girders
- ✓ 11.) Several areas where reinforcing steel bars were touching



✓12.) Need (3) additional type (3) stirrups added for PG-31 (due to spacing) Page 2

✓13.) Top reinforcing bars for PG-33 ("F" Bars) need to be pushed back to proper spacing (were moved for people to get into girder for PT tendon profile adjustments)



THE ROBERT B. BALTER COMPANY

## DAILY REPORT

Page 1 of 2

Project: Silver Spring Transit Center

Contract No.: 16027-0

Client: Montgomery County

Date: 5.26.10

Contractors: Foulger-Pratt

Weather: \_\_\_\_\_ Temps: \_\_\_\_\_

Type of Inspections: Concrete batch plant

Tests Performed: \_\_\_\_\_

Samples Sent for Testing: \_\_\_\_\_

Contacts: John Welk, Brian Flickinger, Mustafa Soakati

Summary of today's work: Seaboard Foundations continued drilling caissons. No concrete was placed.

I performed a concrete batch plant inspection at the La Forge plant in Rockville. ACI, NCRMA, and project specifications were used. Inspection conclusion: the La Forge Rockville plant is properly setup and maintained as per ACI, NCRMA, and project specifications and is capable of producing concrete for the project caissons.

NON-COMPLIANT ISSUES: \_\_\_\_\_

PARTIES NOTIFIED: \_\_\_\_\_

RESOLUTION: \_\_\_\_\_

Verification: \_\_\_\_\_ Hours: Reg 8 OT \_\_\_\_\_ Inspector: Tom Lord

INFORMATION IS SUBJECT TO FINAL REVIEW: Supervisor: QA Field PE: JOC

Sheet 24

Concrete Plant Inspection Checklist		Plant Name	Location	Date
Silver Spring Transit Center		Rockville	Laage	5.26.10
1	Mix Designs on File	Yes	No	16027-0
2	Aggregates stored to minimize segregation	✓		Comments: Ast central dispatcn
3	Stockpile free from foreign matter	✓		
4	Stockpile moist	✓		
5	Aggregates tested/ certified	✓		
6	Cement properly stored	✓		
7	Cement dry	✓		
8	Cement storage properly labeled per type	✓		Labels
9	Scales serviced with last 6 months (Handbook 44)	✓		American scale (2 scales)
10	Test weights certified (500 lbs more than material)	✓		Cement & Agg. scales
11	Water measured by volume	✓		
12	Water measured by weight	✓		na
13	Water dispensed by meter	✓		Digital Badger
14	Water dispensed by holding tank	✓		
15	Water dispensed by scales	✓		
16	Admixture dispensers clean/transparent/graded	✓		
17	Admixture properly stored	✓		
18	Truck mixing revolutions checked	✓		
19	Trucks spot checked for:			
20	Revolution counter	✓		McNeilus + GPS digital
21	Manufacturer's rating plate	✓		Moisture 110, stay with 10
22	Agitating Speed	✓		for weight limit
	Calibrated water measuring device	✓		
	Truck number on manifest	✓		15 trucks
	NCRMA certification	✓		Nov. 21, 2011
	State Hwy.	✓		Feb. 10, 2010
	Attendees:			Tony Lordy, John Wolk
	Moisture Content	✓		Electronic Probe
				Passed



THE ROBERT B. BALTER COMPANY

## DAILY REPORT

Page 1 of 2

Project: Silver Spring Transit Ctr. Contract No.: 16027-0-mb

Client: Montgomery Co. Date: 5-26-10

Contractors: Ross, Berkel, Seaboard, Facchina Weather: Partly Sunny Temps: 55°

Type of Inspections: Visual Inspection, Compaction, Caissons, Concrete Plant Insp.

Tests Performed: Nuclear Gauge Density Tests

Samples Sent for Testing:

Contacts: Dave G. & Brook F. (QC FP), Scott H. (Supt. FP), Tony L. (Superv. RBB Co.),  
Ronnie K. (Seaboard), Mark N. & Frank W. (Ross Foreman), Mike B. (WMATA)

Summary of today's work: Berkel Co. - No work done today.

Facchina - began forming up for & installing reinforcing steel for top portion of caisson above construction joint. Reinforcing steel & cleanliness of formed up area will be inspected in A.M. hrs tomorrow, for concrete placement approval, for caisson A.3 @ 10.9 (Seaboard #13).

Ross Cont. Inc. - mark N. (Pipe crew foreman) worked on installing storm drain structure MH-45 & backfilling. See Elmstafa daily report for additional information. Backfill procedures were visually inspected & density tests were taken.

NON-COMPLIANT ISSUES:

PARTIES NOTIFIED:

RESOLUTION:

Verification: \_\_\_\_\_ Hours: Reg 8 OT 3 Inspector: John T. Welk

INFORMATION IS SUBJECT TO FINAL REVIEW: Supervisor: [Signature] PE: JOC



THE ROBERT B. BALTER COMPANY

## DAILY REPORT

Page 2 of 2

Project: Silver Spring Transit ctr. Contract No.: 16027-O-M

Client: Montg. Co. Date: 5-26-10

Contractors: \_\_\_\_\_ Weather: \_\_\_\_\_ Temps: \_\_\_\_\_

Type of Inspections: \_\_\_\_\_

Tests Performed: \_\_\_\_\_

Samples Sent for Testing: \_\_\_\_\_

Contacts: \_\_\_\_\_

Summary of today's work: Seaboard - worked on drilling for caissons & shear keys. See Brian F. RBB Co. daily report & paper work for additional information.

\*Note: - Myself & Tony Lord (RBB Co. Supervisor) did a plant inspection @ Lafarge Rockville Plant. See attached Concrete Plant Inspection Checklist. Plant inspection passed

NON-COMPLIANT ISSUES: \_\_\_\_\_

PARTIES NOTIFIED: \_\_\_\_\_

RESOLUTION: \_\_\_\_\_

Verification: \_\_\_\_\_ Hours: Reg 8 OT 3 Inspector: John J. Welk

INFORMATION IS SUBJECT TO FINAL REVIEW: Supervisor: \_\_\_\_\_ PE: JDC

THE ROBERT B. BALTER COMPANY  
Geotechnical Engineers

18 Music Fair Road  
Owings Mills, Maryland 21117

COMPRESSIVE STRENGTH TEST SPECIMEN DATA

Project: SSR Proj. No.: 16027-J-MD Supplier: R.F.F.  
Client: MONTGOMERY COUNTY Ticket No.: 91329 Truck No.: 43  
Contractor: FACCHINA Water-Cement Ratio: 0.26  
Sample Location: COLUMN C1-1 305' to 330' Mix Number: 8K1DC2NL  
LEVEL Mix Design: 820 PSI  
Method of Placement CRANE / BUCKET Time Batched: 8:50AM  
Slump: 7.5" inches Batch Size: 10 cu yds  
Water added at site? ☐ Yes, \_\_\_\_\_ gallons ☒ No Date Molded: 12-9-10 Time: 9:45AM  
Specimen made by: JOHN M / TOM W Date Delivered to Lab: \_\_\_\_\_  
Concrete Temperature: 65° °F Unit Weight: \_\_\_\_\_ PCF ☐ N/A  
Air Content: 6.1% ☐ N/A Weather: SUNNY  
Specimen Set No.: 464 Air Temperature: 28° °F  
Test Req'd: \_\_\_\_\_ At \_\_\_\_\_ Days; 2 At 7 days; \_\_\_\_\_ At 14 Days; 2 At 28 Days; \_\_\_\_\_ Reserved  
Remarks: REV#-243, 2=56DAY

ROCKVILLE FUEL AND FEED  
PLANT #1 & #2

5Dec10  
8:50AM

Flop Gate: WET  
Batch: 2 of 2

Volume: 10.00 yd3 Mix ID: 8K1DC2NL  
Truck #: 43 RONY ALVARADO

Mix Desc: 8000 PSI #8 ST AIR/1DCI  
Ticket # 91329  
FACCHINA CONSTRUCTION CO., INC.  
SILVER SPRING TRANSIT CENTER-750

W/(C+P) Ratio: 0.26

Material	Design	Moist	Target	Actual	Free H2O	Status
CON SAND	1000 Lb	4.7%	5247 Lb	5240 Lb	247 Lb	Done
STONE#	1850 Lb	0.5%	9296 Lb	9420 Lb	46 Lb	Over
CEMENT	550 Lb	0.0%	2750 Lb	2730 Lb	0 Lb	Done
SLAG	360 Lb	0.0%	1800 Lb	1800 Lb	0 Lb	Done
AEA #1	7.2 oz	100.0%	18 oz	19 oz	1 Lb	Done
WRDA	41.0 oz	0.0%	205 oz	204 oz	0 Lb	Done
SUPER	54.6 oz	100.0%	273 oz	272 oz	18 Lb	Done
DCI	128.0 oz	100.0%	640 oz	672 oz	44 Lb	Done
WATER #1	32.0 Gal	100.0%	103 Gal	101 Gal	841 Lb	Done

Ice/Batch 0 Lb Water allowed by mix design: 320 Total Water 288  
Moisture compensation water: 86 Water allowed at jobsite: 32 Gal



CAUTION: FRESHLY MIXED CONCRETE MAY CAUSE SKIN IRRITATION. AVOID DIRECT CONTACT WHERE POSSIBLE AND WASH EXPOSED SKIN AREAS PROMPTLY WITH WATER. IF ANY CONCRETE GETS INTO THE EYE, RINSE IMMEDIATELY AND REPEATEDLY WITH WATER AND GET PROMPT MEDICAL ATTENTION.

**KEEP OUT OF REACH OF CHILDREN**

301-762-3988

1-877-847-RMIX

305' to ~~320'~~ level

[illegible]

THE UNIVERSITY OF CHICAGO

CUSTOMER JOB NUMBER

	USE	07-10-98
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1933

SLUMP 0.0

100

TIME DUE 3-11-83

Journal of Management Inquiry 22(4) 397-414

TE WILL REDUCE ITS STRENGTH.

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OF X

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UNIT PRICE	AMOUNT
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[illegible]

SUB TOTAL

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 2. *Scirpus americanus* (L.) P. B.  
 3. *Eleocharis acicularis* (L.) Rostk Schmidt  
 4. *Sagittaria arifolia* (L.) Link.  
 5. *Alisma plantago-foliosa* (L.) Rostk Schmidt  
 6. *Sparganium angustifolium* Michx.  
 7. *Najas* sp.  
 8. *Chara* sp.  
 9. *Utricularia* sp.  
 10. *Wolffia* sp.  
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 97. *Cladophora* sp.  
 98. *Chara* sp.  
 99. *Utricularia* sp.  
 100. *Wolffia* sp.  
 101. *Salvinia* sp.  
 102. *Hydrocotyle* sp.  
 103. *Potamogeton* sp.  
 104. *Elodea* sp.  
 105. *Hydrilla* sp.  
 106. *Cladophora* sp.  
 107. *Chara* sp.  
 108. *Utricularia* sp.  
 109. *Wolffia* sp.  
 110. *Salvinia* sp.  
 111. *Hydrocotyle* sp.  
 112. *Potamogeton* sp.  
 113. *Elodea* sp.  
 114. *Hydrilla* sp.  
 115. *Cladophora* sp.  
 116. *Chara* sp.  
 117. *Utricularia* sp.  
 118. *Wolffia* sp.  
 119. *Salvinia* sp.  
 120. *Hydrocotyle* sp.  
 121. *Potamogeton* sp.  
 122. *Elodea* sp.  
 123. *Hydrilla* sp.  
 124. *Cladophora* sp.  
 125. *Chara* sp.  
 126. *Utricularia* sp.  
 127. *Wolffia* sp.  
 128. *Salvinia* sp.  
 129. *Hydrocotyle* sp.  
 130. *Potamogeton* sp.  
 131. *Elodea* sp.  
 132. *Hydrilla* sp.  
 133. *Cladophora* sp.  
 134. *Chara* sp.  
 135. *Utricularia* sp.  
 136. *Wolffia* sp.  
 137. *Salvinia* sp.  
 138. *Hydrocotyle* sp.  
 139. *Potamogeton* sp.  
 140. *Elodea* sp.  
 141. *Hydrilla* sp.  
 142. *Cladophora* sp.  
 143. *Chara* sp.  
 144. *Utricularia* sp.  
 145. *Wolffia* sp.  
 146. *Salvinia* sp.  
 147. *Hydrocotyle* sp.  
 148. *Potamogeton* sp.  
 149. *Elodea* sp.  
 150. *Hydrilla* sp.  
 151. *Cladophora* sp.  
 152. *Chara* sp.  
 153. *Utricularia* sp.  
 154. *Wolffia* sp.  
 155. *Salvinia* sp.  
 156. *Hydrocotyle* sp.  
 157. *Potamogeton* sp.  
 158. *Elodea* sp.  
 159. *Hydrilla* sp.  
 160. *Cladophora* sp.  
 161. *Chara* sp.  
 162. *Utricularia* sp.  
 163. *Wolffia* sp.  
 164. *Salvinia* sp.  
 165. *Hydrocotyle* sp.  
 166. *Potamogeton* sp.  
 167. *Elodea* sp.  
 168. *Hydrilla* sp.  
 169. *Cladophora* sp.  
 170. *Chara* sp.  
 171. *Utricularia* sp.  
 172. *Wolffia* sp.  
 173. *Salvinia* sp.  
 174. *Hydrocotyle* sp.  
 175. *Potamogeton* sp.  
 176. *Elodea* sp.  
 177. *Hydrilla* sp.  
 178. *Cladophora* sp.  
 179. *Chara* sp.  
 180. *Utricularia* sp.  
 181. *Wolffia* sp.  
 182. *Salvinia* sp.  
 183. *Hydrocotyle* sp.  
 184. *Potamogeton* sp.  
 185. *Elodea* sp.  
 186. *Hydrilla* sp.  
 187. *Cladophora* sp.  
 188. *Chara* sp.  
 189. *Utricularia* sp.  
 190. *Wolffia* sp.  
 191. *Salvinia* sp.  
 192. *Hydrocotyle* sp.  
 193. *Potamogeton* sp.  
 194. *Elodea* sp.  
 195. *Hydrilla* sp.  
 196. *Cladophora* sp.  
 197. *Chara* sp.  
 198. *Utricularia* sp.  
 199. *Wolffia* sp.  
 200. *Salvinia* sp.  
 201. *Hydrocotyle* sp.  
 202. *Potamogeton* sp.  
 203. *Elodea* sp.  
 204.

1. *Journal of the American Medical Association*, 1997; 277: 1039-1043.



SER#  
464

# Silver Spring Transit Center Project

## CONCRETE PLACEMENT CHECKLIST / POUR CARD

PROJECT NUMBER: 16027-0- MD

DATE: 12.9.10

WEATHER: SUNNY TEMP: Air =  
Concrete =

POUR LOCATION: Column C1-1 325' to 330' LEVEL

MIX DESIGN: 3200 PSI CUBIC YARDS: 20 cu yds total placed to

CONVEYANCE METHOD: CRANE / BUCKET

PLACEMENT TIME: START: 9:49 AM FINISH: 11:00 AM

DELAYS: \_\_\_\_\_

ACTIONS: \_\_\_\_\_

### BALTER VERIFICATION

✓

\_\_\_\_\_

\_\_\_\_\_

✓

\_\_\_\_\_

\_\_\_\_\_

### CONCRETE AND REINFORCEMENT

FORMWORK / SHORING

SUB-GRADE FOR SLABS

FOUNDATION BEARING

REINFORCING STEEL

ELEVATED DECK SLAB

DRILLED PIER / SOLDIER PILE

# COMPRESSIVE STRENGTH TEST SPECIMEN DATA

SST		Proj. No.: 16027-0-MD	Supplier: R.F.F.
MONTGOMERY COUNTY		Ticket No.: 91340	Truck No.: 410
FACCHINA		Water-Cement Ratio: 0.36	
Location: PARADEY WALL C4 TO C5		Mix Number: 45K1	
EL 330'		Mix Design:	
acement 4" CRANE / BUCKEY		Time Batched:	
at site? <input type="checkbox"/> Yes, <input checked="" type="checkbox"/> No		Batch Size:	cu yds
made by: BA JOHN M / TOM W		Date Molded:	Time:
Temperature: 67° F		Date Delivered to Lab:	
6.4% <input type="checkbox"/> N/A		Unit Weight:	PCF <input type="checkbox"/> N/A
f No.: 465		Weather:	
At Days: 2 At 7 days;		Air Temperature:	°F
REVS = 120, 2 = 56 DAYS		At 14 Days: 2 At 28 Days:	Reserved

UEL AND FEED  
#2

9Dec10  
10:16AM

Flop Gate:.. WET  
Batch:.. 1 of 1

0 yd3 Mix ID: #45K1D2N  
410 MANUEL VILLEGAS

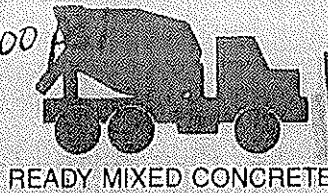
Mix Desc:.. 4500 PSI W/AIR/WR/1DCI  
Ticket # 91340  
FACCHINA CONSTRUCTION CO., INC.  
SILVER SPRING TRANSIT CENTER-750

io: 0.36

Design	Moist	Target	Actual	Free H2O	Status
1166 Lb	5.2%	11070 Lb	11100 Lb	576 Lb	Done
1750 Lb	0.9%	15893 Lb	16120 Lb	143 Lb	Over
423 Lb	0.0%	3807 Lb	3790 Lb	0 Lb	Done
282 Lb	0.0%	2538 Lb	2540 Lb	0 Lb	Done
6.0 oz	100.0%	27 oz	28 oz	2 Lb	Done
128.0 oz	100.0%	1152 oz	1152 oz	75 Lb	Done
21.0 oz	0.0%	189 oz	188 oz	0 Lb	Done
33.2 Gal	100.0%	177 Gal	176 Gal	1466 Lb	Done
0 Lb Water allowed by mix design: 298 Total Water 271					
compensation water: 95 Water allowed at jobsite: 27 Gal					

# 12-9-10 1st truck 4500 **Rockville FUEL & FEED COMPANY, INC.**

P.O. Box 1707  
Rockville, MD 20849-1707



READY MIXED CONCRETE

55x4  
465

CAUTION: FRESHLY MIXED CONCRETE MAY CAUSE SKIN IRRITATION. AVOID DIRECT CONTACT WHERE POSSIBLE AND WASH EXPOSED SKIN AREAS PROMPTLY WITH WATER. IF ANY CONCRETE GETS INTO THE EYE, RINSE IMMEDIATELY AND REPEATEDLY WITH WATER AND GET PROMPT MEDICAL ATTENTION.

KEEP OUT OF REACH OF CHILDREN

## **PLANT LOCATIONS:**

Rockville, MD  
College Park, MD  
Columbia, MD

301-762-3988  
1-877-847-RMIX

DATE 09-Dec-10	CUSTOMER # 7572	CUSTOMER NAME FACCHINA CONSTRUCTION CO., INC.	PROJECT # 3	PROJECT NAME SILVER SPRING TRANS CENTER-750	TICKET # 91340
DELIVERY ADDRESS 8404 COLESVILLE ROAD, SILVER SPR			MAP	LOT/BLOCK	P.O. #
CUSTOMER JOB NUMBER					

INSTRUCTIONS  
RVL - E/NORBECK, R/GEORGIA AVE., PASS I-495, R/16th STREET,  
L/RT. 410 (EAST-WEST HWY), L/COLESVILLE RD TO JOB ON RIGHT.  
\*\*\* DRUM ROTATION COUNTER MUST BE WORKING \*\*\*

PLANT # 1	TRUCK # 410	DRIVER MANUEL VILLEGAS	ORDER # 25	TIME DUE 11:11
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LOAD TIME 10:16AM	START POUR	ADDITIONAL WATER ADDED TO THIS CONCRETE WILL REDUCE ITS STRENGTH. ANY WATER ADDED IS AT CUSTOMER'S RISK.
ARRIVE JOB SITE 10:55	FINISH POUR	WATER ADDED ON JOB AT CUSTOMER'S REQUEST _____ GAL.
		WATER ADDED TO THIS LOAD BY AUTHORITY OF X _____

LOAD QUANTITY	CUMULATIVE QUANTITY	ORDERED QUANTITY	PRODUCT CODE	PRODUCT DESCRIPTION	UNIT OF MEASURE	UNIT PRICE	AMOUNT
9.00	9.00	9.00	*45K102N	4500 PSI W/AIR/WR/IDCI	CY		
NOTE: CUMULATIVE QUANTITY VALUES MAY NOT REFLECT ACTUAL YARDS ARRIVED ON JOB.							

CON SAND	1165 Lb	AEA	*1	6.0 oz	SUB TOTAL TAX TOTAL
STONE	1750 Lb	DCI		128.0 oz	
CEMENT	423 Lb	WRDA		21.0 oz	
WATER	*1 33.2 Ga				
SLAG	282 Lb				

I HEREBY AUTHORIZED THE TRUCK (OR TRUCKS) DELIVERY MATERIAL TO THIS JOB TO LEAVE THE ROAD AND DRIVE ONTO PRIVATE PROPERTY AS I DIRECT. IN MAKING THIS AUTHORIZATION I ASSUME RESPONSIBILITY FOR ANY AND ALL DAMAGE THAT MAY BE DONE TO SAID PRIVATE PROPERTY AND TO ANY OTHER PROPERTY ADJACENT TO SAID PROPERTY THAT MAY BE TRESPASSED ON FOLLOWING MY DIRECTIONS. I FURTHER INDEMNIFY ROCKVILLE FUEL & FEED COMPANY, INC. AND THE DRIVER OF THIS TRUCK (THESE TRUCKS) FROM ANY LIABILITY RESULTING FROM THIS AUTHORIZATION.

X

CUSTOMER ACKNOWLEDGES AND UNDERSTANDS ALL OF TERMS AND CONDITIONS CONTAINED ON BOTH SIDES OF THIS DOCUMENT.

RECEIVED BY: X

CUSTOMER OR AUTHORIZED SIGNATURE

SEY #  
465

# ② Silver Spring Transit Center Project

## CONCRETE PLACEMENT CHECKLIST / POUR CARD

PROJECT NUMBER: 16027-0- MD

DATE: 12-9-10

WEATHER: SUNNY TEMP: Air = 32°  
Concrete = 67°

POUR LOCATION: PARADEY WALL C4 TO C5 LEVEL 330'

MIX DESIGN: 4500 PSI CUBIC YARDS: 9 cu yds = total placed to

CONVEYANCE METHOD: CRANE / BUCKET

PLACEMENT TIME: START: 11:00 AM FINISH: 12:00 PM

DELAYS:                     

ACTIONS:                     

### BALTER VERIFICATION

✓

✓

### CONCRETE AND REINFORCMENT

FORMWORK / SHORING

SUB-GRADE FOR SLABS

FOUNDATION BEARING

REINFORCING STEEL

ELEVATED DECK SLAB

DRILLED PIER/SOLDIER PILE

1

COMPRESSIVE STRENGTH TEST SPECIMEN DATA

Project: SST Ctr. Proj. No.: 16027-0-MD Supplier: Rockville Fuel & Feed Co  
Client: Montgomery Co. Ticket No.: 91399 Truck No.: 27  
Contractor: Facchina Water-Cement Ratio: 0.26  
Sample Location: DECK OVER IEB 330' LEVEL BETWEEN  
Column LINES 11 & 12 and C3 & C6 Mix Number: BK2DC2NL  
Method of Placement: Concrete Pump Mix Design: 80x501K  
Slump: 8" inches Time Batched: 6:38AM  
Water added at site? ☐ Yes, \_\_\_\_\_ gallons ☒ No Batch Size: 10 cu yds  
Specimen made by: Tom W. & Josh M Date Molded: 12-10-10 Time: 7:54AM  
Concrete Temperature: 60° °F Date Delivered to Lab: \_\_\_\_\_  
Air Content: 6.2% ☐ N/A Unit Weight: \_\_\_\_\_ PCF ☒ N/A  
Specimen Set No.: 460 Weather: CLOUDY  
Air Temperature: 74° °F  
Test Req'd: \_\_\_\_\_ At \_\_\_\_\_ Days; 2 At 7 days; \_\_\_\_\_ At 14 Days; 3 At 28 Days; \_\_\_\_\_ Reserved  
Remarks: Revolutions = 72, 2 = 56-day Breaks (Lab Cured), 2 = 3-day Breaks (Field Cured), 2 = 5-day Breaks (Field Cured), 3 = 28-day Breaks (Field Cured)

ROCKVILLE FUEL AND FEED  
PLANT #1 & #2

10Dec10  
6:38AM

Flop Gate:.. DRY  
Batch:.. 2 of 2

Volume: 10.00 yd3 Mix ID: BK2DC2NL  
Truck #:... 27 YAW OFORI ATT

Mix Desc:.. 8000 PSI #8 ST AIR/2DCI  
Ticket # 91399  
FACCHINA CONSTRUCTION CO., INC.  
SILVER SPRING TRANSIT CENTER-750

W/(C+P) Ratio: 0.26

Material	Design	Moist	Target	Actual	Free H2O	Status
CON SAND	1000 Lb	6.0% 0.0%	5319 Lb	5280 Lb	319 Lb	Done
STONE#	1850 Lb	0.5% 0.0%	9296 Lb	9320 Lb	46 Lb	Done
CEMENT	s 550 Lb	0.0%	2750 Lb	2740 Lb	0 Lb	Done
SLAG	360 Lb	0.0%	1800 Lb	1820 Lb	0 Lb	Done
AEA	*1 9.0 oz	100.0%	23 oz	24 oz	2 Lb	Done
WRDA	41.0 oz	0.0%	205 oz	204 oz	0 Lb	Done
SUPER	54.6 oz	100.0%	273 oz	272 oz	18 Lb	Done
DCI	256.0 oz	100.0%	1280 oz	1280 oz	83 Lb	Done
WATER	*1 31.0 Gal	100.0%	84 Gal	84 Gal	699 Lb	Done

Ice/Batch 0 Lb Water allowed by mix design: 310 Total Water 280  
Moisture compensation water: 110 Water allowed at jobsite: 30 Gal

# 3RD TRUCK 8000 P/L **ROCKVILLE FUEL & FEED COMPANY, INC.**

P.O. Box 1707 12-10-10  
Rockville, MD 20849-1707

READY MIXED CONCRETE

**PLANT LOCATIONS:**  
Rockville, MD  
College Park, MD  
Columbia, MD

CAUTION: FRESHLY MIXED CONCRETE MAY CAUSE SKIN IRRITATION. AVOID DIRECT CONTACT WHERE POSSIBLE AND WASH EXPOSED SKIN AREAS PROMPTLY WITH WATER. IF ANY CONCRETE GETS INTO THE EYE, RINSE IMMEDIATELY AND REPEATEDLY WITH WATER AND GET PROMPT MEDICAL ATTENTION.

KEEP OUT OF REACH OF CHILDREN

301-762-3988  
1-877-847-RMIX

DATE  
10-Dec-10

14 CYL MADE

CUSTOMER #  
7572

CUSTOMER NAME  
FACCHINA CONSTRUCTION CO., INC.

PROJECT #  
3

PROJECT NAME  
SILVER SPRING TRANSIT CENTER-750

DELIVERY ADDRESS  
5404 EDLESVILLE ROAD, SILVER SPR

MAP

LOT/BLOCK

P.O. #

CUSTOMER JOB NUMBER

## INSTRUCTIONS

RVL - E/NORBECK, R/GEORGIA AVE., PASS I-495, R/16th STREET,  
L/RT. 410 (EAST-WEST HWY), L/EDLESVILLE RD TO JOB ON RIGHT.

\*\*\* DRUM ROTATION COUNTER MUST BE WORKING \*\*\*

USE  
SLAB

SLUMP  
6-8"

PLANT

TRUCK #

DRIVER

YAW OFORI, ATTA

ORDER #

24

TIME DUE

07:15

LOAD TIME

6:30AM

START POUR

ADDITIONAL WATER ADDED TO THIS CONCRETE WILL REDUCE ITS STRENGTH.  
ANY WATER ADDED IS AT CUSTOMER'S RISK.

ARRIVE JOB SITE

FINISH POUR

WATER ADDED ON JOB AT CUSTOMER'S REQUEST \_\_\_\_\_ GAL.

WATER ADDED TO THIS LOAD BY AUTHORITY OF X \_\_\_\_\_

LOAD QUANTITY	CUMULATIVE QUANTITY	ORDERED QUANTITY	PRODUCT CODE	PRODUCT DESCRIPTION	UNIT OF MEASURE	UNIT PRICE	AMOUNT
10.00	30.00	150.00	8K2DC2NL	8000 PSI #8 ST AIR/2DCI	CY		
NOTE: CUMULATIVE QUANTITY VALUES MAY NOT REFLECT ACTUAL YARDS ARRIVED ON JOB.							

CON. SAND	1000 Lb	AEA	*1	9.0 oz
STONES	1850 Lb	WRDA		41.0 oz
CEMENT	550 Lb	SUPER		54.6 oz
WATER	*1 31.0 Ga	DCI		256.0 oz

SUB TOTAL  
TAX  
TOTAL

SLAB 360 Lb

I HEREBY AUTHORIZED THE TRUCK (OR TRUCKS) DELIVERY MATERIAL TO THIS JOB TO LEAVE THE ROAD AND DRIVE ONTO PRIVATE PROPERTY AS I DIRECT. IN MAKING THIS AUTHORIZATION I ASSUME RESPONSIBILITY FOR ANY AND ALL DAMAGE THAT MAY BE DONE TO SAID PRIVATE PROPERTY AND TO ANY OTHER PROPERTY ADJACENT TO SAID PROPERTY THAT MAY BE TRESPASSED ON FOLLOWING MY DIRECTIONS. I FURTHER INDEMNIFY ROCKVILLE FUEL & FEED COMPANY, INC. AND THE DRIVER OF THIS TRUCK (THESE TRUCKS) FROM ANY LIABILITY RESULTING FROM THIS AUTHORIZATION.

DECK POUR 1EB 330' LEVEL BETWEEN x COLUMN LINES 11 & 12 & C.3 & C.6

CUSTOMER ACKNOWLEDGES AND UNDERSTANDS ALL OF TERMS AND CONDITIONS CONTAINED ON BOTH SIDES OF THIS DOCUMENT.

RECEIVED BY: X

CUSTOMER OR AUTHORIZED SIGNATURE

## Silver Spring Transit Center Project

CONCRETE PLACEMENT CHECKLIST / POUR CARDPROJECT NUMBER: 16027-0- MDDATE: 12-10-10WEATHER: CLOUDY TEMP: Air = 24°  
Concrete = 60°POUR LOCATION: DECK pour IEB 330' LEVEL BETWEEN Column  
LINE 11 & 12 and C3 & C6MIX DESIGN: 8000 PSI CUBIC YARDS: 150 cu yds = total placed toCONVEYANCE METHOD: PUMP TRUCKPLACEMENT TIME: START: 7:00 AM FINISH: 12:35 PM

DELAYS: \_\_\_\_\_

ACTIONS: \_\_\_\_\_

BALTER VERIFICATIONCONCRETE AND REINFORCMENT✓

FORMWORK / SHORING

\_\_\_\_\_

SUB-GRADE FOR SLABS

\_\_\_\_\_

FOUNDATION BEARING

✓

REINFORCING STEEL

✓

ELEVATED DECK SLAB

\_\_\_\_\_

DRILLED PIER/SOLDIER PILE



THE ROBERT B. BALTER COMPANY  
Geotechnical Engineers

18 Music Fair Road  
Owings Mills, Maryland 21117

(2)

COMPRESSIVE STRENGTH TEST SPECIMEN DATA

Project: SST Ctr. Proj. No.: 16027-0-MD Supplier: Rockville Fuel & Feed Co.  
Client: Montgomery Co. Ticket No.: 91403 Truck No.: 30  
Contractor: Facchina Water-Cement Ratio: 0.26  
Sample Location: DECK POUR 1EB 330' LEVEL BETWEEN  
COLUMN LINES 12 & 13 and CG & C7 Mix Number: 8K2DC2NL  
Method of Placement: Concrete Pump Mix Design: 8000psi  
Slump: 8" inches Time Batched: 6:57 AM  
Water added at site? ☐ Yes,        gallons ☒ No Batch Size: 10 cu yds  
Specimen made by: TOM W. & JOSH M Date Molded: 12-10-10 Time: 7:54 AM  
Concrete Temperature: 60° °F Date Delivered to Lab:         
Air Content: 5.1% ☐ N/A Unit Weight:        PCF ☒ N/A  
Specimen Set No.: 461 Weather: CLOUDY  
Air Temperature: 24° °F  
Test Req'd: At Days; 2 At 7 days; At 14 Days; 3 At 28 Days; Reserved  
Remarks: Revolutions = 151, 2 = 56-day Breaks (Lab Cured), 2 = 3-day Breaks (Field Cured), 2 = 5-day Breaks (Field Cured), 3 = 28-day Breaks (Field Cured)

ROCKVILLE FUEL AND FEED  
PLANT #1 & #2

10Dec10  
6:57AM

Flop Gate:.. WET  
Batch:.. 2 of 2

Volume: 10.00 yd3  
Truck #:... 30

Mix ID: 8K2DC2NL  
RICARDO PRUDENC

Mix Desc: 8000 PSI #8 ST AIR/2DCI  
Ticket # 91403  
FACCHINA CONSTRUCTION CO., INC.  
SILVER SPRING TRANSIT CENTER-750

W/(C+P) Ratio: 0.26

Material	Design	Moist	Target	Actual	Free H2O	Status
CON SAND	1000 Lb	5.8% 0.0%	5300 Lb	5300 Lb	308 Lb	Done
STONEB	1850 Lb	0.5% 0.0%	9296 Lb	9280 Lb	46 Lb	Done
CEMENT	550 Lb	0.0%	2750 Lb	2740 Lb	0 Lb	Done
SLAG	360 Lb	0.0%	1800 Lb	1810 Lb	0 Lb	Done
AEA	*1 9.0 oz	100.0%	23 oz	24 oz	2 Lb	Done
WRDA	41.0 oz	0.0%	205 oz	204 oz	0 Lb	Done
SUPER	54.6 oz	100.0%	273 oz	272 oz	10 Lb	Done
DCI	256.0 oz	100.0%	1280 oz	1312 oz	85 Lb	Done
WATER	*1 31.0 Gal	100.0%	86 Gal	86 Gal	716 Lb	Done

Ice/Batch 0 Lb Water allowed by mix design: 310 Total Water 280  
Moisture compensation water: 111 Water allowed at jobsite: 30 Gal

# 7TH TRUCK 8000PSI **Rockville FUEL & FEED COMPANY, INC.**

P.O. Box 1707 12-10-10  
Rockville, MD 20849-1707

READY MIXED CONCRETE

## **PLANT LOCATIONS:**

Rockville, MD  
College Park, MD  
Columbia, MD

CAUTION: FRESHLY MIXED CONCRETE MAY CAUSE SKIN IRRITATION. AVOID DIRECT CONTACT WHERE POSSIBLE AND WASH EXPOSED SKIN AREAS PROMPTLY WITH WATER. IF ANY CONCRETE GETS INTO THE EYE, RINSE IMMEDIATELY AND REPEATEDLY WITH WATER AND GET PROMPT MEDICAL ATTENTION.

KEEP OUT OF REACH OF CHILDREN

301-762-3988  
1-877-847-RMIX

DATE  
10-Dec-10

14 CYL MADE

CUSTOMER # 7572 CUSTOMER NAME FACCHINA CONSTRUCTION CO., INC. PROJECT # 3 PROJECT NAME SILVER SPRING TRANSIT CENTER-750

DELIVERY ADDRESS 8404 COLESVILLE ROAD, SILVER SPR MAP LOT/BLOCK P.O. # CUSTOMER JOB NUMBER

INSTRUCTIONS RVL - E/NORBECK, R/GEORGIA AVE., PASS I-495, R/16th STREET, L/RT.410 (EAST-WEST HWY), L/COLESVILLE RD TO JOB ON RIGHT.  
\*\*\* DRUM ROTATION COUNTER MUST BE WORKING \*\*\*

PLANT 1 TRUCK # 30 DRIVER RICARDO PRUDENCIO ORDER # 24 TIME DUE 07:37

LOAD TIME 6:57AM START POUR ADDITIONAL WATER ADDED TO THIS CONCRETE WILL REDUCE ITS STRENGTH. ANY WATER ADDED IS AT CUSTOMER'S RISK.  
ARRIVE JOB SITE 7:24 FINISH POUR WATER ADDED ON JOB AT CUSTOMER'S REQUEST GAL.  
WATER ADDED TO THIS LOAD BY AUTHORITY OF X

LOAD QUANTITY	CUMULATIVE QUANTITY	ORDERED QUANTITY	PRODUCT CODE	PRODUCT DESCRIPTION	UNIT OF MEASURE	UNIT PRICE	AMOUNT
10.00	70.00	150.00	BK2DC2NL	8000 PSI #8 ST AIR/2DCI	CY		
NOTE: CUMULATIVE QUANTITY VALUES MAY NOT REFLECT ACTUAL YARDS ARRIVED ON JOB.							

CON SAND	1000 Lb	AEA	*1	9.0 oz	SUB TOTAL TAX TOTAL
STONEB	1850 Lb	WRDA		41.0 oz	
CEMENT	s 550 Lb	SUPER		54.6 oz	
WATER	*1 31.0 Ga	DCI		256.0 oz	
					171 LB

SLAB 360 Lb  
I HEREBY AUTHORIZED THE TRUCK (OR TRUCKS) DELIVERY MATERIAL TO THIS JOB TO LEAVE THE ROAD AND DRIVE ONTO PRIVATE PROPERTY AS I DIRECT. IN MAKING THIS AUTHORIZATION I ASSUME RESPONSIBILITY FOR ANY AND ALL DAMAGE THAT MAY BE DONE TO SAID PRIVATE PROPERTY AND TO ANY OTHER PROPERTY ADJACENT TO SAID PROPERTY THAT MAY BE TRESPASSED ON FOLLOWING MY DIRECTIONS. I FURTHER INDEMNIFY ROCKVILLE FUEL & FEED COMPANY, INC. AND THE DRIVER OF THIS TRUCK (THESE TRUCKS) FROM ANY LIABILITY RESULTING FROM THIS AUTHORIZATION.

Deck pour 1EB 330' LEVEL BETWEEN X COLUMN LINES 12 & 13 and C6 & C7

CUSTOMER ACKNOWLEDGES AND UNDERSTANDS ALL OF TERMS AND CONDITIONS CONTAINED ON BOTH SIDES OF THIS DOCUMENT.

RECEIVED BY: X  
CUSTOMER OR AUTHORIZED SIGNATURE

# Silver Spring Transit Center Project

## CONCRETE PLACEMENT CHECKLIST / POUR CARD

PROJECT NUMBER: 16027-0- MD

DATE: 12-10-10

WEATHER: CLOUDY TEMP: Air = 24°  
Concrete = 60°

POUR LOCATION: DECK POUR 1EB 330' LEVEL BETWEEN  
COLUMN LINES 12 & 13 and C6 & C7

MIX DESIGN: 8000 PSI CUBIC YARDS: 150 cu  
yds = total placed to

CONVEYANCE METHOD: PUMP TRUCK

PLACEMENT TIME: START: 7:00 AM FINISH: 12:35 PM

DELAYS: \_\_\_\_\_

ACTIONS: \_\_\_\_\_

### BALTER VERIFICATION

✓

\_\_\_\_\_

\_\_\_\_\_

✓

✓

\_\_\_\_\_

### CONCRETE AND REINFORCEMENT

FORMWORK / SHORING

SUB-GRADE FOR SLABS

FOUNDATION BEARING

REINFORCING STEEL

ELEVATED DECK SLAB

DRILLED PIER/SOLDIER PILE

3

# COMPRESSIVE STRENGTH TEST SPECIMEN DATA

Project: SST CTR Proj. No.: 16027-0-MD

Client: Montgomery Co.

Contractor: Facchina

Sample Location: DECK OVER 1EB 330' LEVEL

BETWEEN COLUMN LINES 13 & 13.5 and D & E

Method of Placement Concrete Pump

Slump: 8" inches

Water added at site? ☐ Yes,            gallons ☒ No

Specimen made by: 5 Tom W. & JOSH M

Concrete Temperature: 60° °F

Air Content: 4.5% ☐ N/A

Specimen Set No.: 462

Test Req'd: At            Days; 2 At 7 days;            At 14 days; 3 At 28 days;            Reserved

Remarks: Revolutions = 167, 2 = 56-day Breaks (Lab Cured), 2 = 3-day Break (Field Cured), 2 = 5-day Breaks (Field Cured), 3 = 28-day Breaks (Field Cured)

Supplier: Rockville Fuel & Feed Co

Ticket No.: 91423 Truck No.: 83

Water-Cement Ratio: 0.26

Mix Number: 8K2DC2NL

Mix Design: 8000 PSI

Time Batched: 8:31 AM

Batch Size: 10 cu yds

Date Molded: 12-10-10 Time: 9:31 AM

Date Delivered to Lab:           

Unit Weight:            PCF ☒ N/A

Weather: CLOUDY

Air Temperature: 27° °F

At 14 days; 3 At 28 days;            Reserved

Revolutions = 167, 2 = 56-day Breaks (Lab Cured), 2 = 3-day Break (Field Cured), 2 = 5-day Breaks (Field Cured), 3 = 28-day Breaks (Field Cured)

ROCKVILLE FUEL AND FEED  
PLANT #1 & #2

10Dec10  
8:31AM

Flop Gate: DRY  
Batch: 2 of 2

Volume: 10.00 yd3  
Truck #: 83

Mix ID: 8K2DC2NL  
JAMES RICHARDSO

Mix Desc: 8000 PSI #8 ST AIR/2DCI  
Ticket # 91423  
FACCHINA CONSTRUCTION CO., INC.  
SILVER SPRING TRANSIT CENTER-750

W/(C+P) Ratio: 0.26

Material	Design	Moist	Target	Actual	Free H2O	Status
CON SAND	1000 Lb	4.7%	5247 Lb	5220 Lb	247 Lb	Done
STONE8	1850 Lb	0.5%	9296 Lb	9220 Lb	46 Lb	Done
CEMENT	550 Lb	0.0%	2750 Lb	2750 Lb	0 Lb	Done
SLAG	360 Lb	0.0%	1800 Lb	1790 Lb	0 Lb	Done
AEA	9.0 oz	100.0%	23 oz	24 oz	2 Lb	Done
WRDA	41.0 oz	0.0%	205 oz	204 oz	0 Lb	Done
SUPER	54.6 oz	100.0%	273 oz	272 oz	18 Lb	Done
DCI	256.0 oz	100.0%	1280 oz	1280 oz	83 Lb	Done
WATER	31.0 Gal	100.0%	93 Gal	93 Gal	774 Lb	Done

Ice/Batch 0 Lb Water allowed by mix design: 310 Total Water 280  
Moisture compensation water: 97 Water allowed at jobsite: 30 Gal

# 10th TRUCK 80074 **ROCKVILLE FUEL & FEED COMPANY, INC.**

P.O. Box 1707 12-10-10  
Rockville, MD 20849-1707

SET#  
462



REV 5-167

CAUTION: FRESHLY MIXED CONCRETE MAY CAUSE SKIN IRRITATION. AVOID DIRECT CONTACT WHERE POSSIBLE AND WASH EXPOSED SKIN AREAS PROMPTLY WITH WATER. IF ANY CONCRETE GETS INTO THE EYE, RINSE IMMEDIATELY AND REPEATEDLY WITH WATER AND GET PROMPT MEDICAL ATTENTION.

KEEP OUT OF REACH OF CHILDREN

READY MIXED CONCRETE

## PLANT LOCATIONS:

Rockville, MD  
College Park, MD  
Columbia, MD

OUT Temp = 27°  
CON Temp = 60°  
SLUMP = 8  
ACR = 4.5%  
TAKEN @ 9:31am

301-762-3988  
1-877-847-RMIX

TICKET# 91423

DATE 10-Dec-10

14 CYL MADE

CUSTOMER # 7572 CUSTOMER NAME FACCHINA CONSTRUCTION CO., INC. PROJECT # 3 PROJECT NAME SILVER SPRING TRANSIT CENTER-750

DELIVERY ADDRESS 8404 COLESVILLE ROAD, SILVER SPR MAP LOT/BLOCK P.O.# CUSTOMER JOB NUMBER

INSTRUCTIONS: RVE - E/MDRBECK, R/GEORGIA AVE., PASS I-495, R/16th STREET, L/RT. 410 (EAST-WEST HWY), L/COLESVILLE RD TO JOB ON RIGHT. \*\*\* DRUM ROTATION COUNTER MUST BE WORKING \*\*\*\*

PLANT TRUCK # 83 DRIVER JAMES RICHARDSON ORDER # 24 TIME OF DAY 09:01

LOAD TIME 8:31AM START POUR ADDITIONAL WATER ADDED TO THIS CONCRETE WILL REDUCE ITS STRENGTH. ANY WATER ADDED IS AT CUSTOMER'S RISK. WATER ADDED ON JOB AT CUSTOMER'S REQUEST GAL. WATER ADDED TO THIS LOAD BY AUTHORITY OF X

LOAD QUANTITY	CUMULATIVE QUANTITY	ORDERED QUANTITY	PRODUCT CODE	PRODUCT DESCRIPTION	UNIT OF MEASURE	UNIT PRICE	AMOUNT
10.00	100.00	160.00	8K2DC2NL	8000 PSI #8 ST AIR/2DC1	CY		

NOTE: CUMULATIVE QUANTITY VALUES MAY NOT REFLECT ACTUAL YARDS ARRIVED ON JOB.

CON SAND	1000 LB	AEA	*1	9.0 02	SUB TOTAL TAX TOTAL	169.00
STONES	1850 LB	WRDA		41.0 02		
CEMENT	550 LB	SUPER		154.6 02		
WATER	*1 31.0 GA	DCI		256.0 02		
SLAB	360 LB					

I HEREBY AUTHORIZED THE TRUCK (OR TRUCKS) DELIVERY MATERIAL TO THIS JOB TO LEAVE THE ROAD AND DRIVE ONTO PRIVATE PROPERTY AS I DIRECT. IN MAKING THIS AUTHORIZATION I ASSUME RESPONSIBILITY FOR ANY AND ALL DAMAGE THAT MAY BE DONE TO SAID PRIVATE PROPERTY AND TO ANY OTHER PROPERTY ADJACENT TO SAID PROPERTY THAT MAY BE TRESPASSED ON FOLLOWING MY DIRECTIONS. I FURTHER INDEMNIFY ROCKVILLE FUEL & FEED COMPANY, INC. AND THE DRIVER OF THIS TRUCK (THESE TRUCKS) FROM ANY LIABILITY RESULTING FROM THIS AUTHORIZATION.

DECK FOUR 1EB 330' LEVEL BETWEEN CAUMX LEVES 13 & 13.5 and D & E

CUSTOMER ACKNOWLEDGES AND UNDERSTANDS ALL OF TERMS AND CONDITIONS CONTAINED ON BOTH SIDES OF THIS DOCUMENT.

RECEIVED BY: X

CUSTOMER OR AUTHORIZED SIGNATURE

THE ROBERT B. BALTER COMPANY

Silver Spring Transit Center Project

CONCRETE PLACEMENT CHECKLIST / POUR CARD

PROJECT NUMBER: 16027-0- MD

DATE: 12-10-10

WEATHER: Cloudy TEMP: Air = 27°  
Concrete = 60°

POUR LOCATION: DECK pour LEB 330' LEVEL COLUMN LINE

13 & 13.5 and D & E

MIX DESIGN: 8000 PSI CUBIC YARDS: 150 cu yds total placed to

CONVEYANCE METHOD: Dump TRUCK

PLACEMENT TIME: START: 7:00am FINISH: 12:35pm

DELAYS: \_\_\_\_\_

ACTIONS: \_\_\_\_\_

BALTER VERIFICATION

✓

\_\_\_\_\_

\_\_\_\_\_

✓

✓

\_\_\_\_\_

CONCRETE AND REINFORCMENT

FORMWORK / SHORING

SUB-GRADE FOR SLABS

FOUNDATION BEARING

REINFORCING STEEL

ELEVATED DECK SLAB

DRILLED PIER/SOLDIER PILE

THE ROBERT B. BALTER COMPANY  
Geotechnical Engineers

18 Music Fair Road  
Owings Mills, Maryland 21117

COMPRESSION STRENGTH TEST SPECIMEN DATA

Project: SST Ctl Proj. No.: 16027-0-mb Supplier: Rockville Fuel & Feed Co  
Client: Montgomery Co. Ticket No.: 91444 Truck No.: 26  
Contractor: Facchina Water-Cement Ratio: 0.26  
Sample Location: DECK POUR 1ST 330' LEVEL BETWEEN  
COLUMN LINE 10.2 & 10.8 and C9 & E Mix Number: 8K2DC2NL  
Method of Placement: Concrete Pump Mix Design: 8000 PSI  
Slump: 7.5" inches Batch Size: 10 cu yds  
Water added at site? ☐ Yes,      gallons ☒ No Date Molded: 12-10-10 Time: 12:19pm  
Specimen made by: TOM W & JOSH M Date Delivered to Lab:       
Concrete Temperature: 60° °F Unit Weight:      PCF ☒ N/A  
Air Content: 4.6% ☐ N/A Weather: CLOUDY  
Specimen Set No.: 463 Air Temperature: 27° °F  
Test Req'd: At      Days; 2 At 7 days; At 14 Days; 3 At 28 Days; Reserved  
Remarks: Revolutions = 137, 2 = 56-day Breaks (Lab Cured), 2 = 3-day Break  
(Field Cured), 2 = 5-day Breaks (Field Cured), 3 = 28-day Breaks (Field Cured)

ROCKVILLE FUEL AND FEED  
PLANT #1 & #2

10Dec10  
10:45AM

Flop Gate... DRY  
Batch: 2 of 2

Volume: 10.00 yd3  
Truck #: ... 26

Mix ID: 8K2DC2NL  
MAXWELL AKOTO

Mix Descr: 8000 PSI #8 ST AIR/2DCI  
Ticket # 91444  
FACCHINA CONSTRUCTION CO., INC.  
SILVER SPRING TRANSIT CENTER-750

W/(C+P) Ratio: 0.26

Material	Design	Moist	Target	Actual	Free H2O	Status
CON SAND	1000 Lb	5.5%	5291 Lb	5260 Lb	291 Lb	Done
STONE 8	1850 Lb	0.5%	9296 Lb	9260 Lb	46 Lb	Done
CEMENT	550 Lb	0.0%	2750 Lb	2740 Lb	0 Lb	Done
SLAB	360 Lb	0.0%	1800 Lb	1790 Lb	0 Lb	Done
AEA	*1 9.0 oz	100.0%	23 oz	24 oz	2 Lb	Done
WRDA	41.0 oz	0.0%	205 oz	204 oz	0 Lb	Done
SUPER	54.6 oz	100.0%	273 oz	272 oz	18 Lb	Done
DCI	256.0 oz	100.0%	1280 oz	1312 oz	85 Lb	Done
WATER	*1 31.0 Gal	100.0%	88 Gal	88 Gal	733 Lb	Done

Ice/Batch 0 Lb Water allowed by mix design: 310 Total Water 280  
Moisture compensation water: 104 Water allowed at jobsite: 30 Gal



# Rockville FUEL & FEED COMPANY, INC.

P.O. Box 1707 12-10-10  
Rockville, MD 20849-1707

Ser #  
463



REVS = 89°

CAUTION: FRESHLY MIXED CONCRETE MAY CAUSE SKIN IRRITATION. AVOID DIRECT CONTACT WHERE POSSIBLE AND WASH EXPOSED SKIN AREAS PROMPTLY WITH WATER. IF ANY CONCRETE GETS INTO THE EYE, RINSE IMMEDIATELY AND REPEATEDLY WITH WATER AND GET PROMPT MEDICAL ATTENTION.

KEEP OUT OF REACH OF CHILDREN

READY MIXED CONCRETE

## PLANT LOCATIONS:

Rockville, MD  
College Park, MD  
Columbia, MD

Air temp = 27°  
CON Temp = 60°  
Slump = 7.5"  
AGE = 4.61  
TAKEN @ 12:19pm

301-762-3988  
1-877-847-RMIX

DATE  
10-Dec-10

14 CYL MADE

CUSTOMER # 7572	CUSTOMER NAME FACCHINA CONSTRUCTION CO., INC.	PROJECT # 3	PROJECT NAME SILVER SPRING TRANSIT CENTER-750
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DELIVERY ADDRESS 8404 COLESVILLE ROAD, SILVER SPR	MAP	LOT/BLOCK	P.O. #	CUSTOMER JOB NUMBER
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INSTRUCTIONS:  
RVL - E/NORBECK, R/GEORGIA AVE., PASS I-495, R/16th STREET,  
L/RT. 410 (EAST-WEST HWY), L/COLESVILLE RD TO JOB ON RIGHT.  
\*\*\* DRUM ROTATION COUNTER MUST BE WORKING \*\*\*

PLANT 1	TRUCK # 26	DRIVER MAXWELL AKOTO	ORDER # 24	TIME DUE 11:30
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LOAD TIME 10:45AM	START POUR	ADDITIONAL WATER ADDED TO THIS CONCRETE WILL REDUCE ITS STRENGTH. ANY WATER ADDED IS AT CUSTOMER'S RISK.
ARRIVE JOB SITE	FINISH POUR	WATER ADDED ON JOB AT CUSTOMER'S REQUEST _____ GAL.
		WATER ADDED TO THIS LOAD BY AUTHORITY OF X _____

LOAD QUANTITY	CUMULATIVE QUANTITY	ORDERED QUANTITY	PRODUCT CODE	PRODUCT DESCRIPTION	UNIT OF MEASURE	UNIT PRICE	AMOUNT
10.00	140.00	170.00	BR2DC2NL	8000 PSI #8 ST AIR/2DC1	CY		
NOTE: CUMULATIVE QUANTITY VALUES MAY NOT REFLECT ACTUAL YARDS ARRIVED ON JOB.							

CON SAND	1000 LB	AEA	*1	9.0 02	SUB TOTALS TAX TOTAL	
STONEB	1850 LB	WRDA		41.0 02		
CEMENT	550 LB	SUPER		54.6 02		
WATER	*1 31.0 Ga	DCI		256.0 02		
SLAB	360 LB					

I HEREBY AUTHORIZED THE TRUCK (OR TRUCKS) DELIVERY MATERIAL TO THIS JOB TO LEAVE THE ROAD AND DRIVE ONTO PRIVATE PROPERTY AS I DIRECT. IN MAKING THIS AUTHORIZATION, I ASSUME RESPONSIBILITY FOR ANY AND ALL DAMAGE THAT MAY BE DONE TO SAID PRIVATE PROPERTY AND TO ANY OTHER PROPERTY ADJACENT TO SAID PROPERTY THAT MAY BE TRESPASSED ON FOLLOWING MY DIRECTIONS. I FURTHER INDEMNIFY ROCKVILLE FUEL & FEED COMPANY, INC. AND THE DRIVER OF THIS TRUCK (THESE TRUCKS) FROM ANY LIABILITY RESULTING FROM THIS AUTHORIZATION.

DECK POUR 1EB 330' LEVEL. BETWEEN COLUMNS LINES 10.2 & 10.8 and C9 & E

CUSTOMER ACKNOWLEDGES AND UNDERSTANDS ALL OF TERMS AND CONDITIONS CONTAINED ON BOTH SIDES OF THIS DOCUMENT.

RECEIVED BY: X

CUSTOMER OR AUTHORIZED SIGNATURE

# THE ROBERT B. BALTER COMPANY

SET#  
463

④

## Silver Spring Transit Center Project

### CONCRETE PLACEMENT CHECKLIST / POUR CARD

PROJECT NUMBER: 16027-0- MD

DATE: 12-10-10

WEATHER: Cloudy

TEMP: Air = 27°  
Concrete = 60°

POUR LOCATION: DECK POUR 1EB LEVEL BETWEEN COLUMNS

LINES 10.2 & 10.8 and C9 & E

MIX DESIGN: 8000 PSI CUBIC YARDS: 150 <sup>cu</sup> yds total placed for

CONVEYANCE METHOD: PUMP TRUCK

PLACEMENT TIME: START: 7:00am FINISH: 12:35pm

DELAYS:                     

ACTIONS:                     

#### BALTER VERIFICATION

✓

✓

✓

#### CONCRETE AND REINFORCEMENT

FORMWORK / SHORING

SUB-GRADE FOR SLABS

FOUNDATION BEARING

REINFORCING STEEL

ELEVATED DECK SLAB

DRILLED PIER/SOLDIER PILE

Plant: LCM Eastern US - ROCKVILLE #368  
 Truck Number Batch User Disp Ticket Num Ticket ID Time Date  
 0216 kpepple 65349618 0 9:23 12/16/10  
 Load Size Mix Code Returned Mix Qty Seq Load ID  
 7.00 CYDERMXC128601R D1 77392  
 Mix: 6000 AE 1/2" AGG RECOVER  
 Mins Secs Customer: SEABOARD FOUNDA PO:  
 E AVE TAKE 2ND LEFT TO JOB.R AT

Material	Description	Design Qty	Required	Batched	% Var	% Moisture	Actual	Wat
#7STONE	#7STONE	1569 lb	11060 lb	10900 lb	-1.45%	0.70% M	9 gl	
SILSAND	SILSAND	1317 lb	9653 lb	9620 lb	-0.35%	4.50% M	52 gl	
CEMENT	CEMENT	400 lb	2800 lb	2780 lb	-0.71%			
SLAG120	SLAG120	280 lb	1960 lb	1950 lb	-0.51%			
WATER	WATER	30.0 gl	146.9 gl	146.0 gl	-0.62%		146.0 gl	
AIRENTRN	AIRENTRN	7 oz	48 oz	48 oz	0.84%			
HR	HR	112 oz	784 oz	784 oz	0.00%			
HYDSTBLZR	HYDRA STABILIZI	32 oz	224 oz	225 oz	0.45%			
FLYASH	FLYASH	120 lb	840 lb	845 lb	0.60%			

Actual Load Slump: 27379 lb -6.00 in  
 Design W/C: 0.313  
 Water/Cement: 0.310 A  
 Design 210.0 gl  
 Actual 207.0 gl  
 To Add: 3.0 gl  
 Water in Truck: 0.0 gl  
 Adjust Water: 0.0 gl / Load  
 Trim Water: 0.0 gl / CYE

THE ROBERT B. BALTER COMPANY  
 Geotechnical Engineers

18 Music Fair Road  
 Owings Mills, Maryland 21117

### COMPRESSIVE STRENGTH TEST SPECIMEN DATA

Project: SST Ctr. Proj. No.: 16027-0-MD Supplier: LaFarge  
 Client: Montgomery Co. Ticket No.: 65349618 Truck No.: 3600216  
 Contractor: Seaboard Water-Cement Ratio: .31  
 Sample Location: Caisson C3-12.1 Mix Number: Rmxc128601R  
seaboard # 44 Mix Design: 6000 psi  
 Method of Placement: Chute/Tremmie Time Batched: 9:23 AM  
 Slump: 8 inches Batch Size: 7 cu yds  
 Water added at site? ☐ Yes,        gallons ☒ No Date Molded: 12-16-10 Time: 10:40 AM  
 Specimen made by: Tom W. & Josh M. Date Delivered to Lab:         
 Concrete Temperature: 60 °F Unit Weight:        PCF ☒ N/A  
 Air Content: 6.5 % ☐ N/A Weather: Cloudy  
 Specimen Set No.: 466 Air Temperature: 20° °F  
 Test Req'd: At Days; 1 At 7 days; At 14 Days; 2 At 28 Days; 1 Reserved  
 Remarks: Revs. =

**LAFARGE** 12-16-10 KEVS = 195 10:40 AM

CONDITIONS

DELIVERY CONDITIONS:  
Responsible for curb side delivery only. Concrete placed during cold/hot weather requires special procedures. Appropriate placing procedures are the responsibility of the purchaser.  
TERMS OF PAYMENT: AS PER QUOTATION

MSDS Safety sheet upon request, can also be found at [www.LafargeNorthAmerica.com](http://www.LafargeNorthAmerica.com) under Safety and Health.

Seaboard

Slump = 8"  
AE = 6.5%

Air temp = 200

Conv. temp. = 60°

TICKET NUMBER

10-1 Load	10-2 Leave Plant	10-3 Arrive Job Site	
10-5 Start Discharge	10-6 Finish Discharge	10-9 Leave Job Site	10-10 Arrive Plant

ADDITIONAL WATER ADDED TO THIS CONCRETE WILL ADVERSELY AFFECT ITS PERFORMANCE. ANY WATER ADDED IS AT CUSTOMER'S RISK. PLASTICIZER CAN BE ADDED AT AN ADDITIONAL CHARGE.

WATER ADDED ON SITE ☒ TIME AMOUNT TIME AMOUNT EST SLUMP 7 IN RESULTING SLUMP IN

CUSTOMER SP ADDED ON SITE ☒ WHAT AMOUNT: PRINT NAME: SIGNED BY:

THE OPERATOR OF THIS TRUCK IS ALLOWED A MAXIMUM OF 60 MINUTES IN WHICH TO UNLOAD. TRUCKS HELD AT JOBSITE LONGER WILL BE BILLED AT THE CURRENT HOLDING TIME RATE. X

TESTED CYLINDERS ☒ CURE METHOD ☒ AIR % SLUMP IN MIX TEMP °F AIR TEMP °F

PROJECT NAME: ST. LOUIS SPRING TRAIL CENTER PAYMENT METHOD: XXXXXXXXXXXX

COMMENTS: DELIVERY DURING NOV 25 27 & DEC 24, 27, 31

Batcher/Driver Information:

CHUTE

CONCRETE USE	ORDER #	LOAD SIZE	MIX	SPEC. SLUMP	ORDER SLUMP	% AIR	DATE
CROSSINGS/PILES	6000	7.00	MAXC120601R	6.5	6.5		Dec 16, 2010

SOLD TO:	CUSTOMER #	PROJECT #	P.O.	JOB LOAD #
SEABOARD FUNDRA	3088700	342679		1

DRIVER	TRUCK #	MAP PAGE	ZONE #	PLANT	JOB NO.	TIME DUE	PRINT TIME
Alfredo Carbajal	3088216			600		10:15	09:11

DELIVERY ADDRESS: ST. LOUIS SPRING TRAIL CENTER \*\*\*SEND BATCH RECORDS\*\*\*

INSTRUCTIONS: 5 ON RT 97 CROSS RT 29 R ON WAYNE AVE TAKE 2ND LEFT TO JOB. # AT FULGER PRATT JOB. \*\*\*RESET COUNTERS\*\*\*

LOAD QUANTITY	CUMUL. QUANTITY	ORDERED QUANTITY	PRODUCT CODE	PRODUCT DESCRIPTION	UOM	UNIT PRICE	AMOUNT
7.00	7.00	14.00	MAXC120601R	CONC. ALL 1 1/2" AGG. RECOVER	CY		
7.00			01P4000	ENV. 100			
7.00			01R4000	ENV. 100			
1.00			01R4000	ENV. 100			

Caisson C3-12.1 Seaboard #44

CAUTION: Freshly mixed cement, mortar, concrete or grout may cause skin injury. Avoid contact with eyes where possible and wash exposed skin areas promptly with water. If any cement mixture gets into eyes rinse immediately and repeatedly with water and get prompt medical treatment. Keep children away from wet concrete. Please see reverse.



SUB TOTAL	
TAX	
SUB TOTAL	
HOLDING TIME	
TOTAL	

Print Name Signed by [www.lafargenorthamerica.com](http://www.lafargenorthamerica.com)

THE ROBERT B. BALTER COMPANY

# Silver Spring Transit Center Project

## CONCRETE PLACEMENT CHECKLIST / POUR CARD

PROJECT NUMBER: 16027-0- MD

DATE: 12-16-10

WEATHER: Cloudy TEMP: Air = 20°  
Concrete = 60°

POUR LOCATION: Caisson C3-12.1

Seaboard # 44

MIX DESIGN: 6000 PSI CUBIC YARDS: 14 <sup>cu</sup> <sub>yds</sub> total placed to

CONVEYANCE METHOD: Chute/tremmie

PLACEMENT TIME: START: 10:45 AM FINISH: 12:15 PM

DELAYS: \_\_\_\_\_

ACTIONS: \_\_\_\_\_

### BALTER VERIFICATION

### CONCRETE AND REINFORCEMENT

\_\_\_\_\_

FORMWORK / SHORING

\_\_\_\_\_

SUB-GRADE FOR SLABS

✓ \_\_\_\_\_

FOUNDATION BEARING

✓ \_\_\_\_\_

REINFORCING STEEL

\_\_\_\_\_

ELEVATED DECK SLAB

✓ \_\_\_\_\_

DRILLED PIEF

THE ROBERT B. BALTER COMPANY  
Geotechnical Engineers

18 Music Fair Road  
Owings Mills, Maryland 21117

COMPRESSION STRENGTH TEST SPECIMEN DATA

Project: SST Ctr. Proj. No.: 16027-AM Supplier: LaFarge  
Client: Montgomery Co. Ticket No.: 65349644 Truck No.: 3600046  
Contractor: Seaboard Water-Cement Ratio: .30  
Sample Location: Caisson E-13.1 Mix Number: RMXC128601R  
(Seaboard #83) Mix Design: 6000 PSI  
Method of Placement: chute/tremmie Time Batched: 11:17 AM  
Slump: 8 inches Batch Size: 10 cu yds  
Water added at site? ☐ Yes, \_\_\_\_\_ gallons ☒ No Date Molded: 12-17-10 Time: 12:19 PM  
Specimen made by: \_\_\_\_\_ Date Delivered to Lab: \_\_\_\_\_  
Concrete Temperature: 65 °F Unit Weight: \_\_\_\_\_ PCF ☒ N/A  
Air Content: 4.9% ☐ N/A Weather: Cloudy  
Specimen Set No.: 467 Air Temperature: 30 °F  
Test Req'd: \_\_\_\_\_ At \_\_\_\_\_ Days; 1 At 7 days; \_\_\_\_\_ At 14 Days; 2 At 28 Days; 1 Reserved  
Remarks: Revs = 110

Plant: LCM Eastern US - ROCKVILLE #368

Truck Number Batch User Disp Ticket Num Ticket ID Time Date  
0046 kpepple 65349644 0 11:17 12/17/10

Load Size Mix Code Returned Mix Qty Seq Load ID  
10.00 CYDSRMXC128601R D1 77418

Mix: 6000 AE 1/2" AGG RECOVER

Mins Secs Customer: SEABOARD FOUNDA PO:  
E AVE TAKE 2ND LEFT TO JOB.R AT

Material	Description	Design Qty	Required	Batched	% Var	% Moisture	Actual	Wat
#7STONE	#7STONE	1569 lb	15801 lb	15760 lb	-0.26%	0.70% M	13 gl	
SILSAND	SILSAND	1317 lb	13863 lb	13780 lb	-0.60%	5.00% M	83 gl	
CEMENT	CEMENT	400 lb	4000 lb	3995 lb	-0.13%			
SLAG120	SLAG120	280 lb	2800 lb	2790 lb	-0.36%			
WATER	WATER	30.0 gl	191.2 gl	191.0 gl	-0.10%		191.0 gl	
AIRENTRN	AIRENTRN	7 oz	68 oz	68 oz	0.00%			
HR	HR	112 oz	1120 oz	1120 oz	0.00%			
HYDSTBLZR	HYDRA STABILIZI	32 oz	320 oz	320 oz	0.00%			
FLYASH	FLYASH	120 lb	1200 lb	1200 lb	0.00%			

Actual Num Batches: 2  
Load 39213 lb Design W/C: 0.313 Water/Cement: 0.300 A Design 300.0 gl Actual 286.8 gl To Add: 13.2 gl  
Slump: -6.00 in # Water in Truck: 0.0 gl Adjust Water: 0.0 gl / Load Trim Water: -1.0 gl / CYC

DELIVERY CONDITIONS:  
Responsible for curb side delivery only. Concrete placed du  
cold/hot weather requires special procedures. Appropriate plac  
procedures are the responsibility of the purchaser.  
TERMS OF PAYMENT: AS PER QUOTATION  
MSDS Safety sheet upon request, can also be found at  
www.lafargenorthamerica.com under Safety and Health.

10-1 Load	10-2 Leave Plant	10-3 Arrive Job Site	TICKET NUMBER 0000000000
10-5 Start Discharge	10-6 Finish Discharge	10-9 Leave Job Site	
			10-10 Arrive Plant

ADDITIONAL WATER ADDED TO THIS CONCRETE WILL ADVERSELY AFFECT ITS PERFORMANCE. ANY WATER ADDED IS AT CUSTOMER'S RISK.  
PLASTICIZER CAN BE ADDED AT AN ADDITIONAL CHARGE.

WATER ADDED ON SITE ☒ Y ☐ N TIME AMOUNT TIME AMOUNT EST SLUMP IN  
CUSTOMER SP ADDED ON SITE ☒ Y ☐ N WHAT AMOUNT: RESULTING SLUMP IN

THE OPERATOR OF THIS TRUCK IS ALLOWED A MAXIMUM OF 60 MINUTES IN WHICH TO UNLOAD. TRUCKS HELD AT JOBSITE LONGER WILL BE BILLED AT THE  
CURRENT HOLDING TIME RATE. X PRINT NAME: SIGNED BY:

TESTED CYLINDERS ☒ Y ☐ N CURE METHOD ☒ Y ☐ N AIR % SLUMP IN MIX TEMP °F AIR TEMP °F

PROJECT NAME: SILVER SPRING TRANSIT CENTER PAYMENT METHOD: XXXXXXXXXXXX  
COMMENTS: HOLIDAY CLOSINGS - NOV 25-27 & DEC 24, 27, 31

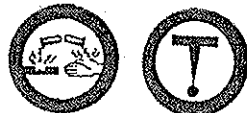
Batcher/Driver information:  
CHUTE

CONCRETE USE CAISSONS/PILES	ORDER # 6040	LOAD SIZE 10.00	MIX RMXC129601R	SPEC. SLUMP 6-8	ORDER SLUMP 6-8	% AIR	DATE Dec 17, 2010
SOLD TO: SEABOARD FOUNDRY	CUSTOMER # 3203708		PROJECT # 342670		RD.	JOB LOAD # 1	
DRIVER David Raymond	TRUCK # 3600046	MAP PAGE	ZONE #	PLANT 653	JOB NO.	TIME DUE 12:00	PRINT TIME 11:07
DELIVERY ADDRESS: SILVER SPRING TRANSIT CENTER 342670 BUILT RECORDERS							

INSTRUCTIONS: 5 ON RT 97 CROSS RT 29 R ON WYTHE  
AVE TAKE 2ND LEFT TO JOB. P AT FULGER PRATT JOB.  
\*\*RESET COUNTERS\*\*

LOAD QUANTITY	CUMUL QUANTITY	ORDERED QUANTITY	PRODUCT CODE	PRODUCT DESCRIPTION	UOM	UNIT PRICE	AMOUNT
10.00	10.00	20.00	RMXC129601R	6000 AT 1/2" ABC RECOVER 114			
				C&A Temp = 65° Aux Temp = 30 Slump = 8" Air = 4.9% TAKEN @ 12:19 Reus. = 110			
10.00			PR4000				
10.00			UD4000				
1.00			BR4000				
				CATSLON #83 / (E-13.1)			

CAUTION: Freshly mixed cement, mortar, concrete or grout may cause skin injury. Avoid contact with eyes where possible and wash exposed skin areas promptly with water. If any cement mixture gets into eyes rinse immediately and repeatedly with water and get prompt medical treatment. Keep children away from wet concrete. Please see reverse.



SUB TOTAL	
TAX	
SUB TOTAL	
HOLDING TIME	
TOTAL	

Print Name \_\_\_\_\_ Signed by \_\_\_\_\_

www.lafargenorthamerica.com

COPY



①

Set #  
467

# Silver Spring Transit Center Project

## CONCRETE PLACEMENT CHECKLIST / POUR CARD

PROJECT NUMBER: 16027-0- MD

DATE: 12-17-10

WEATHER: CLOUDY TEMP: Air = 30°  
Concrete = 65°

POUR LOCATION: CARSSON #83 (E-13.1)

MIX DESIGN: 6000 PSI CUBIC YARDS: 20 <sup>cu</sup> <sub>yd</sub> total placed

CONVEYANCE METHOD: CRANE / TREMIE

PLACEMENT TIME: START: 12:30 PM FINISH: 1:45 PM

DELAYS: \_\_\_\_\_

ACTIONS: \_\_\_\_\_

### BALTER VERIFICATION

✓

\_\_\_\_\_

\_\_\_\_\_

✓

\_\_\_\_\_

\_\_\_\_\_

### CONCRETE AND REINFORCEMENT

FORMWORK / SHORING

SUB-GRADE FOR SLABS

FOUNDATION BEARING

REINFORCING STEEL

ELEVATED DECK SLAB

DRILLED PIER/SOLDIER PILE

THE ROBERT B. BALTER COMPANY  
Geotechnical Engineers

18 Music Fair Road  
Owings Mills, Maryland 21117

# COMPRESSIVE STRENGTH TEST SPECIMEN DATA

Project: 16027-0-MD Proj. No.: 55T  
 Client: MONTGOMERY COUNTY  
 Contractor: FACCHINA  
 Sample Location: SLOPE COLUMN D2 ELEVATION 305'  
10 330'  
 Method of Placement: CRAWL / BUCKEY  
 Slump: 26.5" inches (SCC SPREAD)  
 Water added at site? ☐ Yes, \_\_\_\_\_ gallons ☒ No  
 Specimen made by: BRYAN F / JOSH M  
 Concrete Temperature: 62° °F  
 Air Content: ☒ N/A  
 Specimen Set No.: 486  
 Test Req'd: \_\_\_\_\_ At \_\_\_\_\_ Days; 1 At 7 days;  
 Remarks: REV# = 128, VSI = 0  
 Supplier: R.F.F.  
 Ticket No.: 91974 Truck No.: 410  
 Water-Cement Ratio: 0.29  
 Mix Number: 58K1DCNL  
 Mix Design: 8000 PSI  
 Time Batched: 10:25 AM  
 Batch Size: 6 cu yds  
 Date Molded: 12-21-10 Time: 11:21 AM  
 Date Delivered to Lab: \_\_\_\_\_  
 Unit Weight: \_\_\_\_\_ PCF ☒ N/A  
 Weather: SUNNY  
 Air Temperature: 31° °F  
 At 14 Days: 2 At 28 Days: 1 Reserved

ROCKVILLE FUEL AND FEED  
PLANT #1 & #2

Volume: 6.00 yd3  
Truck #: 410

Mix ID: 58K1DCNL  
MANUEL VILLEGAS

21Dec10  
10:25AM

Flop Gate: WET  
Batch: 1 of 1

Mix Desc: 8000 PSI WAST SCC HR/1DC  
Ticket #: 91974  
FACCHINA CONSTRUCTION CO., INC.  
SILVER SPRING TRANSIT CENTER-750

W/(C+P) Ratio: 0.29

Material	Design	Moist	Target	Actual	Free H2O	Status
CON SAND	1370 Lb	4.8%	8634 Lb	8700 Lb	414 Lb	Done
STONES	1480 Lb	0.5%	8925 Lb	8920 Lb	45 Lb	Done
CEMENT	550 Lb	0.0%	3300 Lb	3300 Lb	0 Lb	Done
SLAG	360 Lb	0.0%	2160 Lb	2180 Lb	0 Lb	Done
WRDA	45.5 oz	0.0%	273 oz	272 oz	0 Lb	Done
SUPER	75.0 oz	100.0%	450 oz	448 oz	29 Lb	Done
DCI	128.0 oz	100.0%	768 oz	800 oz	52 Lb	Done
WATER	*1 35.0 Gal	100.0%	128 Gal	128 Gal	1066 Lb	Done
Ice/Batch	0 Lb					
Water allowed by mix design: <u>210</u>						Total Water <u>192</u>
Moisture compensation water: <u>65</u>						Water allowed at jobsite: <u>18 Gal</u>

# 1st TRUCK 8000 PSI (S.C.C) 11/15 **Rockville FUEL & FEED COMPANY, INC.**

P.O. Box 1707  
Rockville, MD 20849-1707

READY MIXED CONCRETE

## **PLANT LOCATIONS:**

Rockville, MD  
College Park, MD  
Columbia, MD

CAUTION: FRESHLY MIXED CONCRETE MAY CAUSE SKIN IRRITATION. AVOID DIRECT CONTACT WHERE POSSIBLE AND WASH EXPOSED SKIN AREAS PROMPTLY WITH WATER. IF ANY CONCRETE GETS INTO THE EYE, RINSE IMMEDIATELY AND REPEATEDLY WITH WATER AND GET PROMPT MEDICAL ATTENTION.

KEEP OUT OF REACH OF CHILDREN

301-762-3988  
1-877-847-RMIX

DATE

21-Dec-10

CUSTOMER #

7572

CUSTOMER NAME

FACCHINA CONSTRUCTION CO., INC.

PROJECT #

3

PROJECT NAME

SILVER SPRING TRANSIT CENTER-750

DELIVERY ADDRESS

8404 COLESVILLE ROAD, SILVER SPR

MAP

LOT/BLOCK

P.O. #

CUSTOMER JOB NUMBER

91974

INSTRUCTIONS

RVL - E/NORBECK, R/GEORGIA AVE., PASS 1-495, R/16th STREET,  
L/RT. 410 (EAST-WEST HWY), L/COLESVILLE RD TO JOB ON RIGHT.  
\*\*\* DRUM ROTATION COUNTER MUST BE WORKING \*\*\*

PLANT

TRUCK #

DRIVER

1

410

MANUEL VILLEGAS

ORDER #

29

LOAD TIME

10:25AM

START POUR

TIME DUE

11:23

ARRIVE JOB SITE

FINISH POUR

ADDITIONAL WATER ADDED TO THIS CONCRETE WILL REDUCE ITS STRENGTH.  
ANY WATER ADDED IS AT CUSTOMER'S RISK.

WATER ADDED ON JOB AT CUSTOMER'S REQUEST

WATER ADDED TO THIS LOAD BY AUTHORITY OF X

GAL

LOAD QUANTITY	CUMULATIVE QUANTITY	ORDERED QUANTITY	PRODUCT CODE	PRODUCT DESCRIPTION	UNIT OF MEASURE	UNIT PRICE	AMOUNT
6.00	6.00	11.00	58K1DCNL	8000 PSI #AST SCC HR/100	CY		

NOTE: CUMULATIVE QUANTITY VALUES MAY NOT REFLECT ACTUAL YARDS ARRIVED ON JOB.

CON SAND	1370 LB	WRDA	45.5 oz
STONEA	1480 LB	SUPER	75.0 oz
CEMENT	550 LB	DCI	128.0 oz
WATER	35.0 Ga		
SLAB	360 LB		

SUB TOTAL  
TAX  
TOTAL

I HEREBY AUTHORIZED THE TRUCK (OR TRUCKS) DELIVERY MATERIAL TO THIS JOB TO LEAVE THE ROAD AND DRIVE ONTO PRIVATE PROPERTY AS I DIRECT. IN MAKING THIS AUTHORIZATION I ASSUME RESPONSIBILITY FOR ANY AND ALL DAMAGE THAT MAY BE DONE TO SAID PRIVATE PROPERTY AND TO ANY OTHER PROPERTY ADJACENT TO SAID PROPERTY THAT MAY BE TRESPASSED ON FOLLOWING MY DIRECTIONS. I FURTHER INDEMNIFY ROCKVILLE FUEL & FEED COMPANY, INC. AND THE DRIVER OF THIS TRUCK (THESE TRUCKS) FROM ANY LIABILITY RESULTING FROM THIS AUTHORIZATION.

CUSTOMER ACKNOWLEDGES AND UNDERSTANDS ALL OF TERMS AND CONDITIONS CONTAINED ON BOTH SIDES OF THIS DOCUMENT.

RECEIVED BY: X

CUSTOMER OR AUTHORIZED SIGNATURE

SET #  
486

①

# Silver Spring Transit Center Project

## CONCRETE PLACEMENT CHECKLIST / POUR CARD

PROJECT NUMBER: 16027-0- MD

DATE: 12-21-10

WEATHER: CLIMY

Air = 31°  
TEMP: Concrete = 62°

POUR LOCATION: Slopes column D2 (ELEVATION 305' to 330')

MIX DESIGN: 8000 PSI CUBIC YARDS: 11 cu yds = total placed

CONVEYANCE METHOD: CRANE / BUCKET

PLACEMENT TIME: START: 11:31am FINISH: 12:15pm

DELAYS: \_\_\_\_\_

ACTIONS: \_\_\_\_\_

### BALTER VERIFICATION

✓

\_\_\_\_\_

\_\_\_\_\_

✓

\_\_\_\_\_

\_\_\_\_\_

### CONCRETE AND REINFORCEMENT

FORMWORK / SHORING

SUB-GRADE FOR SLABS

FOUNDATION BEARING

REINFORCING STEEL

ELEVATED DECK SLAB

DRILLED PIER/SOLDIER PILE

(1) SELF-CONSOLIDATING Concrete Test Results

Project Name: Silver Spring Transit Ctr. Project Job Number: 16027-0-MD

Date: 12-21-10

Truck #: 410

Ticket #: 91974

Mix Designation #: S8K1DCNL (SCC)

Placement Location: Sloped Column D-2 elev. 305' to 330' 8000 psi

Slump Flow Test

(ASTM C1611 Standard Test Method for Slump Flow of Self-Consolidating Concrete)

Acceptable Range: 22"-30" Flow

22" 23" 24" 25" 26 1/2" 27" 28" 29" 30"

(Record to nearest 1/2 inch)

Visual Stability Index Test

Acceptable Range: 1-2 (If 3 on first test, retest once)

1st test

0 1 2 3

(Please Circle)

Retest

0 1 2 3

(Please Circle)

PASS

FAIL

(Please Circle)



R. W. BALTER COMPANY

Geotechnical and Geo-environmental Engineers  
Construction Materials Testing and Inspection

[www.BALTERco.com](http://www.BALTERco.com)

2nd truck  
1st test  
No cyl's

# Self-Consolidating Concrete Test Results

Project Name: Silver Spring Transit Ctr. Project Job Number: 16027-0-MD

Date: 12-21-10

Truck #: 77

Ticket #: 91979

Mix Designation #: 8000 psi S8K1DCNL (SCC)

Placement Location: Sloped Column D-2 elev. 305' to 330'

## Slump Flow Test

(ASTM C1611 Standard Test Method for Slump Flow of Self-Consolidating Concrete)

Acceptable Range: 22"-30" Flow

22" 23" 24" 25" 26" 27" 28" 29" 30"

(Record to nearest 1/2 inch)

## Visual Stability Index Test

Acceptable Range: 1-2 (If 3 on first test, retest once)

1st test

0 1 2 3

(Please Circle)

Retest

0 1 2 3

(Please Circle)

PASS

(Please Circle)

FAIL



THE ROBERT E. BALTER COMPANY

Geotechnical and Geo-environmental Engineers  
Construction Materials Testing and Inspection

[www.BALTERco.com](http://www.BALTERco.com)

Rockville Fuel & Feed Co., Inc.

Self-Consolidating Concrete Test Results

Date: 12-21-10  
Truck #: 410  
Ticket #:

1st Truck

Tester: Jim Munro John Hershey Cody Smolinski John Wells  
(Please Circle)

Slump Flow Test

(ASTM C1611-Standard Test Method for Slump Flow of Self-Consolidating Concrete)

Acceptable Range: 22-30" Flow

22" 23" 24" 25" 26" 27" 28" 29" 30"  
(Please Circle)

Visual Stability Index Test

Acceptable Range: 0-1 (If 2 on first test, retest once)

0 1st Test 1 2 3 0 Retest 1 2 3  
(Please Circle) (Please Circle)

Segregation Test

(ASTM C 610-Standard Test Method for Static Segregation of Self-Consolidating Concrete Using Column Tech.)

Acceptable Range: 0-18%, using below listed ASTM C1610 calculation

CA top (lbs.) 7.9  
CA bottom (lbs.) 8.4  $8.4 - 7.9$   $8.4 + 7.9 / 2$   
S (% difference) 6.1% .5 8.15

$S\% = [(CA, bottom - CA, top) / ((CA, bottom + CA, top) / 2)] * 100$

PASS

FAIL

(Please Circle)

FAX results to Nick McIntosh, Facchina Construction Company, at (240) 776-7303



Rockville Fuel & Feed Co., Inc.

Self-Consolidating Concrete Test Results

Date: 12-21-10  
Truck #: Chuck  
Ticket #:

2nd Truck

Tested: Jim Munro John Hershey Cody Smolinski John Wells  
(Please Circle)

Slump Flow Test

(ASTM C1611-Standard Test Method for Slump Flow of Self-Consolidating Concrete)

Acceptable Range: 22-30" Flow

22" 23" 24" 25" 26" 27" 28" 29" 30"  
(Please Circle)

Visual Stability Index Test

Acceptable Range: 0-1 (If 2 on first test, retest once)

0 1st Test 1 2 3 0 Retest 1 2 3  
(Please Circle) (Please Circle)

Segregation Test

(ASTM C1610-Standard Test Method for Static Segregation of Self-Consolidating Concrete Using Column Tech.)

Acceptable Range: 0-18%, using below listed ASTM C1610 calculation

CA top (lbs.)  
CA bottom (lbs.)  
S (% difference)

$$S\% = [(CA, \text{bottom} - CA, \text{top}) / ((CA, \text{bottom} + CA, \text{top}) / 2)] * 100$$

PASS

FAIL

(Please Circle)

FAX results to Nick McIntosh, Facchina Construction Company, at (240) 776-7303

COMPRESSIVE STRENGTH TEST SPECIMEN DATA

Project: SSR Proj. No.: 16027-0-MO Supplier: LAFARGE  
Client: MONTGOMERY COUNTY Ticket No.: 65349710 Truck No.: 206  
Contractor: SEABOARD Water-Cement Ratio: 0.28  
Sample Location: CARLSON #76 (C4-12.7) Mix Number: RMX C128601R  
Mix Design: 6000  
Method of Placement: CHUTE / TREMSE Time Batched: 11:04  
Slump: 8" inches Batch Size: 7 cu yds  
Water added at site? ☒ Yes, 15 gallons ☒ No Date Molded: 12-21-10 Time: 12:40pm  
Specimen made by: BRIAN F. Date Delivered to Lab: \_\_\_\_\_  
Concrete Temperature: 62° °F Unit Weight: \_\_\_\_\_ PCF ☒ N/A  
Air Content: 6.2% ☐ N/A Weather: SUNNY  
Specimen Set No.: 487 Air Temperature: 36° °F  
Test Req'd: \_\_\_\_\_ At \_\_\_\_\_ Days; 1 At 7 days; \_\_\_\_\_ At 14 Days; 2 At 28 Days; 1 Reserved  
Remarks: \_\_\_\_\_

Plant: LCM Eastern US - ROCKVILLE #368  
Truck Number 0206 Batch User kpepple Disp Ticket Num 65349710 Ticket ID 0 Time 11:31 Date 12/21/10  
Load Size 7.00 Mix Code CYDSRMXC128601R Returned Mix Qty Seq Load ID D1 77484  
Mix: 6000 AE 1/2" AGG RECOVER  
Mins Secs Customer: SEABOARD FOUNDA  
E AVE TAKE 2ND LEFT TO JOB.R AT PO:

Material	Description	Design Qty	Required	Batched	% Var	% Moisture	Actual	Wat
#7STONE	#7STONE	1569 lb	11077 lb	10960 lb	-1.06%	0.85% M	11 gl	
SILSAND	SILSAND	1317 lb	9745 lb	9640 lb	-1.08%	5.40% M	62 gl	
CEMENT	CEMENT	400 lb	2800 lb	2820 lb	0.71%			
SLAG120	CEMENT	280 lb	1960 lb	1945 lb	-0.77%			
WATER	WATER	30.0 gl	112.9 gl	112.0 gl	-0.80%		112.0 gl	
AIRENTRN	AIRENTRN	7 oz	48 oz	48 oz	0.84%			
HR	HR	112 oz	784 oz	784 oz	0.00%			
HYDSTBLZR	HYDRA STABILIZI	32 oz	224 oz	224 oz	0.00%			
FLYASH	FLYASH	120 lb	840 lb	845 lb	0.60%			

Actual Load 27211 lb Slump: 6.00 in # Num Batches: 1 Design W/C: 0.313 Water/Cement: 0.276 A Design 210.0 gl Actual 185.5 gl To Add: 24.5 gl  
Water in Truck: 0.0 gl Adjust Water: 0.0 gl / Load Trim Water: -3.0 gl / CYC

**SAFETY MESSAGE:** SEABOARD FOUNDATION  
 A subsidiary of Lafarge North America Inc.  
 300 E. Joppa Road, Suite 200  
 Towson, MD 21286  
 Main Office: 1-410-847-3300

**DELIVERY CONDITIONS:**  
 Responsible for curb side delivery only. Concrete placed du  
 cold/hot weather requires special procedures. Appropriate pte  
 procedures are the responsibility of the purchaser.  
**TERMS OF PAYMENT: AS PER QUOTATION**

MSDS Safety sheet upon request, can also be found at  
 www.LafargeNorthAmerica.com under Safety and Health.

**TICKET NUMBER**  
 65349710

10-1 Load 11:30	10-2 Leave Plant 11:35	10-3 Arrive Job Site 12:30	
10-5 Start Discharge	10-6 Finish Discharge	10-9 Leave Job Site	10-10 Arrive Plant

**ADDITIONAL WATER ADDED TO THIS CONCRETE WILL ADVERSELY AFFECT ITS PERFORMANCE. ANY WATER ADDED IS AT CUSTOMER'S RISK. PLASTICIZER CAN BE ADDED AT AN ADDITIONAL CHARGE.**

**WATER ADDED ON SITE** ☒ **Y** **N** **TIME** **AMOUNT** **TIME** **AMOUNT** **EST SLUMP** **IN** **RESULTING SLUMP** **IN**

**CUSTOMER** **SP ADDED ON SITE** ☒ **Y** **N** **WHAT** **AMOUNT:** **PRINT NAME:** **SIGNED BY:**

THE OPERATOR OF THIS TRUCK IS ALLOWED A MAXIMUM OF 60 MINUTES IN WHICH TO UNLOAD. TRUCKS HELD AT JOBSITE LONGER WILL BE BILLED AT THE CURRENT HOLDING TIME RATE. X

**TESTED** **CYLINDERS** ☒ **Y** **N** **CURE** **METHOD** ☒ **Y** **N** **AIR** **%** **SLUMP** **IN** **MIX TEMP** **°F** **AIR TEMP** **°F**

**PROJECT NAME:** SILVER SPRING TRANSIT CENTER **PAYMENT METHOD:** XXXXXXXXXXXX  
 HOLIDAY CLOSINGS - NOV 25-27 & DEC 24, 27, 31

**COMMENTS:**

**Batcher/Driver Information:**

**ROUTE**

**CONCRETE USE** **CAISSONS/PILES** **ORDER #** 6026 **LOAD SIZE** 7.00 **MIX** RMX129601P **SPEC. SLUMP** 6-8 **ORDER SLUMP** 6 **% AIR** **DATE** Dec 21, 2010

**SOLD TO:** SEABOARD FOUNDATION **CUSTOMER #** 3298766 **PROJECT #** 342679 **PO.** **JOB LOAD #** 2

**DRIVER** Fred Terry **TRUCK #** 2600206 **MAP PAGE** **ZONE #** **PLANT** 653 **JOB NO.** **TIME DUE** 12:24 **PRINT TIME** 11:04

**DELIVERY ADDRESS:** SILVER SPRING TRANSIT CENTER \*\*\*SEND BATCH RECORDS\*\*\*

**INSTRUCTIONS:** W ON RT 27 CROSS BY 29 R ON WAYNE

LIVE TAKE 2ND LEFT TO JOBLR AT FOLGER BRATT JOB.

\*\*\*RESET COUNTERS\*\*\*

2 drum Count 169

LOAD QUANTITY	CUMUL. QUANTITY	ORDERED QUANTITY	PRODUCT CODE	PRODUCT DESCRIPTION	UOM	UNIT PRICE	AMOUNT
7.00	14.00	14.00	RMX129601P	CONCRETE 12" DIA. 6" SLUMP	CY		
7.00	21.00	21.00	RMX129601P	CONCRETE 12" DIA. 6" SLUMP	CY		
7.00	28.00	28.00	RMX129601P	CONCRETE 12" DIA. 6" SLUMP	CY		
				Slump = 8.0" w Air = 6.2% out temp = 56° con temp = 62° H2O = 15 GALLONS			
				ENV. FEE FREIGHT FUEL CHARGES			
				CAISSON # 76 (CY-12.7)			

**CAUTION:** Freshly mixed cement, mortar, concrete or grout may cause skin injury. Avoid contact with eyes where possible and wash exposed skin areas promptly with water. If any cement mixture gets into eyes rinse immediately and repeatedly with water and get prompt medical treatment. Keep children away from wet concrete. Please see reverse sides of this bag for more information.



<b>SUB TOTAL</b>	
<b>TAX</b>	
<b>SUB TOTAL TIME</b>	
<b>TOTAL</b>	

Print Name \_\_\_\_\_ Signed by \_\_\_\_\_

www.lafargenorthamerica.com

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2

# Silver Spring Transit Center Project

Set #  
487

## CONCRETE PLACEMENT CHECKLIST / POUR CARD

PROJECT NUMBER: 16027-0- MD

DATE: 12-21-10

WEATHER: SUNNY TEMP: Air = 36°  
Concrete = 62°

POUR LOCATION: CAISSON # 76 (CY-12.7)

MIX DESIGN: 6000 PSI CUBIC YARDS: 14 cu yds total placed

CONVEYANCE METHOD: CHUTE / TREMSE

PLACEMENT TIME: START: 12:40pm FINISH: 2:00pm

DELAYS: \_\_\_\_\_

ACTIONS: \_\_\_\_\_

### BALTER VERIFICATION

✓

\_\_\_\_\_

\_\_\_\_\_

✓

\_\_\_\_\_

\_\_\_\_\_

### CONCRETE AND REINFORCEMENT

FORMWORK / SHORING

SUB-GRADE FOR SLABS

FOUNDATION BEARING

REINFORCING STEEL

ELEVATED DECK SLAB

DRILLED PIER/SOLDIER PILE

HERBERT B. BALTER COMPANY  
Technical Engineers

18 Music Fair Road  
Owings Mills, Maryland 21117

COMPRESSION STRENGTH TEST SPECIMEN DATA

SST Proj. No.: 16027-0-MD Supplier: LAFARGE  
MONTGOMERY COUNTY Ticket No.: 65349736 Truck No.: 130  
SEABOARD Water-Cement Ratio: 0.28  
Location: CAISSON # 77 (C5-13-2) Mix Number: RMXC128601R  
Mix Design: 6000  
Cement: CHUTE / TREMEE Time Batched: 9:01 AM  
8" inches Batch Size: 9 cu yds  
At site? ☐ Yes, \_\_\_\_\_ gallons ☒ No Date Molded: 12-22-10 Time: 10:39 AM  
Made by: BRIAN F. / JOSH M. Date Delivered to Lab: \_\_\_\_\_  
Temperature: 57° °F Unit Weight: \_\_\_\_\_ PCF ☐ N/A  
7.0% ☐ N/A Weather: CLOUDY  
Lot No.: 488 Air Temperature: 57° °F  
At \_\_\_\_\_ Days; 1 At 7 days; At 14 Days; 2 At 28 Days; 1 Reserved  
REV: 139

Eastern US - ROCKVILLE #368

Batch User Disp Ticket Num Ticket ID Time Date  
kpepple 65349736 0 9:29 12/22/10

Mix Code Returned Mix Qty Seq Load ID  
RMXC128601R D1 77510

E 1/2" AGG RECOVER

Secs Customer: SEABOARD FOUNDATION  
2ND LEFT TO JOB.R AT

Design Qty	Required	Batched	% Var	% Moisture	Actual	Wat
1569 lb	14228 lb	14920 lb	> 4.87%	0.75% M	13 gl	
1317 lb	12503 lb	12480 lb	-0.19%	5.20% M	78 gl	
400 lb	3600 lb	3585 lb	-0.42%			
200 lb	2520 lb	2515 lb	-0.20%			
30.0 gl	150.1 gl	149.0 gl	-0.70%		149.0 gl	
7 oz	61 oz	61 oz	-0.33%			
112 oz	1008 oz	1008 oz	0.00%			
32 oz	288 oz	288 oz	0.00%			
120 lb	1080 lb	1090 lb	0.93%			

Num Batches: 2  
Design W/C: 0.313 Water/Cement: 0.279 A Design 270.0 gl Actual 240.2 gl To Add: 29.8 gl  
Water in Truck: 0.0 gl Adjust Water: 0.0 gl / Load Trim Water: -3.0 gl / CYC



1030

①

## CONDITIONS

DELIVERY CONDITIONS:  
Responsible for curb side delivery only. Concrete placed  
cold/hot weather requires special procedures. Appropriate  
procedures are the responsibility of the purchaser.  
TERMS OF PAYMENT: AS PER QUOTATION

MSDS Safety sheet upon request, can also be found at  
www.LafargeNorthAmerica.com under Safety and Health.

TICKET NUMBER

10-1 Load 9:41	10-2 Leave Plant 9:46	10-3 Arrive Job Site 10:25	
10-5 Start Discharge	10-6 Finish Discharge	10-9 Leave Job Site	10-10 Arrive Plant

ADDITIONAL WATER ADDED TO THIS CONCRETE WILL ADVERSELY AFFECT ITS PERFORMANCE. ANY WATER ADDED IS AT CUSTOMER'S RISK.  
PLASTICIZER CAN BE ADDED AT AN ADDITIONAL CHARGE.

WATER ADDED ON SITE ☒ Y ☐ N TIME AMOUNT TIME AMOUNT EST SLUMP IN RESULTING SLUMP IN

CUSTOMER SP ADDED ON SITE ☒ Y ☐ N WHAT AMOUNT: PRINT NAME: SIGNED BY:

THE OPERATOR OF THIS TRUCK IS ALLOWED A MAXIMUM OF 60 MINUTES IN WHICH TO UNLOAD. TRUCKS HELD AT JOBSITE LONGER WILL BE BILLED AT THE CURRENT HOLDING TIME RATE. X

TESTED CYLINDERS ☒ Y ☐ N CURE METHOD ☒ Y ☐ N AIR % SLUMP IN MIX TEMP °F AIR TEMP

PROJECT NAME: SILVER SPRING TRANSIT CENTER PAYMENT METHOD: XXXXXXXXXX  
HOLIDAY CLOSINGS NOV 25-27 & DEC 24, 27, 31

COMMENTS:

Batcher/Driver Information:

CONCRETE USE ORDER # LOAD SIZE MIX SPEC. SLUMP ORDER SLUMP % AIR DATE

CAISSONS/PILES 0010 12.00 RMXC120001R 6-8 1 0.01

SOLD TO: SEABOARD FOUNDA CUSTOMER # PROJECT # PO. JOB LOAD #

DRIVER: Jose Osorio TRUCK # 3600030 MAP PAGE ZONE # PLANT 653 JOB NO. TIME DUE 10:00 PRINT TIME 09:01

DELIVERY ADDRESS: SILVER SPRING TRANSIT CENTER SEND BATCH RECORDS PERM EARLY TRUCKS

INSTRUCTIONS: 3 ON RT OF CROSS RT IN R ON WAYAL

AVE TAKE 2ND LEFT TO JOB. R AT FULGER PRATT JOB.

\*\*\*RESET COUNTERS\*\*\*

LOAD QUANTITY	CUMUL. QUANTITY	ORDERED QUANTITY	PRODUCT CODE	PRODUCT DESCRIPTION	UOM	UNIT PRICE	AMOUNT
9.00	9.00	18.00	RMXC120001R	6000 AE 1/2" AGG RECOVER	CV		
9.00			RT4800	ENV. FEE	CV		
9.00			RT4600	FREIGHT	CV		
1.00			RT4800	FUEL SURCHARGE	CV		
				CAISSON # 77 (C5-B.2)			

CAUTION: Freshly mixed cement, mortar, concrete or grout may cause skin injury. Avoid contact with eyes where possible and wash exposed skin areas promptly with water. If any cement mixture gets into eyes rinse immediately and repeatedly with water and get prompt medical treatment. Keep children away from wet concrete. Please see reverse.

By signing you agree with both sides of this ticket.

Print Name \_\_\_\_\_ Signed by \_\_\_\_\_

www.lafargenorthamerica.com

COPY



SUB TOTAL	
TAX	
SUB TOTAL	
HOLDING TIME	
TOTAL	

THE ROBERT B. BALTER COMPANY

SLT #  
488

①

# Silver Spring Transit Center Project

## CONCRETE PLACEMENT CHECKLIST / POUR CARD

PROJECT NUMBER: 16027-0- MD

DATE: 12-22-10

WEATHER: Cloudy TEMP: Air = 28°  
Concrete = 54°

POUR LOCATION: CAISSON #77 (C5-13.2)

MIX DESIGN: 6000 PSI CUBIC YARDS: 18 cu yds total placed to

CONVEYANCE METHOD: CHUTE / TREMIE

PLACEMENT TIME: START: 11:00am FINISH: 11:55am

DELAYS: \_\_\_\_\_

ACTIONS: \_\_\_\_\_

### BALTER VERIFICATION

✓  
\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

✓  
\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

### CONCRETE AND REINFORCEMENT

FORMWORK / SHORING

SUB-GRADE FOR SLABS

FOUNDATION BEARING

REINFORCING STEEL

ELEVATED DECK SLAB

DRILLED PIER/SOLDIER PILE

COMPRESSIVE STRENGTH TEST SPECIMEN DATA

Project: SS Proj. No.: 160270-MD Supplier: LAFARGE  
Client: MONTGOMERY COUNTY Ticket No.: 05349758 Truck No.: 205  
Contractor: SEABOARD Water-Cement Ratio: 0.28  
Sample Location: CASSON 78 (C6313.4) Mix Number: RMX0128601R  
Method of Placement: CHUTE / TREMPER Mix Design: 6000  
Slump: 7.5" inches Time Batched: 1:42  
Water added at site? ☐ Yes, \_\_\_\_\_ gallons ☒ No Batch Size: 9 cu yds  
Specimen made by: BRIAN F / JOSH M Date Molded: 12-22-10 Time: 2:49pm  
Concrete Temperature: 63° °F Date Delivered to Lab: \_\_\_\_\_  
Air Content: 6.0% ☐ N/A Unit Weight: \_\_\_\_\_ PCF ☐ N/A  
Specimen Set No.: 489 Weather: CLOUDY  
Test Req'd: \_\_\_\_\_ At \_\_\_\_\_ Days; 1 At 7 days; \_\_\_\_\_ At 14 Days; 2 At 28 Days; 1 Reserved  
Remarks: REV5 = 122

Plant: LCM Eastern US - ROCKVILLE #368

Truck Number	Batch User	Disp Ticket Num	Ticket ID	Time	Date
0205	kpepple	65349758	0	13:53	12/22/10

Load Size	Mix Code	Returned Mix	Qty	Seq	Load ID
9.00	CYDSRMXC128601R			D1	77532

Mix: 6000 AE 1/2" AGG RECOVER

Mins \_\_\_\_\_ Secs \_\_\_\_\_ Customer: SEABOARD FOUNDA  
E AVE TAKE 2ND LEFT TO JOB.R AT

PO:

Material	Description	Design Qty	Required	Batched	% Var	% Moisture	Actual	Wat
#7STONE	#7STONE	1569 lb	14228 lb	14780 lb	> 3.88%	0.75% M	13 gl	
SILSAND	SILSAND	1317 lb	12503 lb	12440 lb	-0.51%	5.20% M	78 gl	
CFMFNT	CFMFNT	400 lb	3600 lb	3605 lb	0.14%			
SLAG120	SLAG120	280 lb	2520 lb	2515 lb	-0.20%			
WATER	WATER	30.0 gl	150.1 gl	150.0 gl	-0.03%		150.0 gl	
AIRENTRN	AIRENTRN	7 oz	61 oz	62 oz	1.31%			
HR	HR	112 oz	1008 oz	1008 oz	0.00%			
HYDSTBLZR	HYDRA STABILIZI	32 oz	288 oz	287 oz	-0.35%			
FLYASH	FLYASH	120 lb	1080 lb	1075 lb	-0.46%			

Actual	Load	Slump:	35752 lb	6.00 in	#	Design W/C:	0.313	Water/Cement:	0.279	A	Design	270.0 gl	Actual	240.8 gl	To Add:	29.2 gl
						Water in Truck:	0.0 gl	Adjust Water:	0.0 gl	/ Load	Trim Water:	-3.0 gl	/	CYT		



SUB TOTAL	
TAX	
SUB TOTAL	
HOLDING TIME	
TOTAL	

SET #  
489

2 Silver Spring Transit Center Project

CONCRETE PLACEMENT CHECKLIST / POUR CARD

PROJECT NUMBER: 16027-0- MD

DATE: 12-22-10

WEATHER: CLOUDY TEMP: Air = 30°  
Concrete = 63°

POUR LOCATION: CARSON TB (C63-13.4)

MIX DESIGN: 6000 PSI CUBIC YARDS: 18 <sup>cu</sup> <sub>yds</sub> total placed to

CONVEYANCE METHOD: \_\_\_\_\_

PLACEMENT TIME: START: 2:45 PM FINISH: 4:00 PM

DELAYS: \_\_\_\_\_

ACTIONS: \_\_\_\_\_

BALTER VERIFICATION

CONCRETE AND REINFORCMENT

✓

FORMWORK / SHORING

\_\_\_\_\_

SUB-GRADE FOR SLABS

\_\_\_\_\_

FOUNDATION BEARING

✓

REINFORCING STEEL

\_\_\_\_\_

ELEVATED DECK SLAB

\_\_\_\_\_

DRILLED PIER/SOLDIER PILE

THE ROBERT B. BALTER COMPANY  
Geotechnical Engineers

18 Music Fair Road  
Owings Mills, Maryland 21117

# COMPRESSIVE STRENGTH TEST SPECIMEN DATA

Project: <u>SST</u>	Proj. No.: <u>16027-0-MD</u>	Supplier: <u>R.F.F.</u>
Client: <u>MONTGOMERY COUNTY</u>		Ticket No.: <u>92111</u> Truck No.: <u>67</u>
Contractor: <u>FACCHINA</u>		Water-Cement Ratio: <u>0.37</u>
Sample Location: <u>PARADEY WALL 350' <sup>level</sup> BETWEEN COLUMN LINES "7.5" TO "6" WB LINE</u>		Mix Number: <u>45K1D2N</u>
Method of Placement: <u>CRANE / BUCKEY</u>		Mix Design: <u>4500</u>
Slump: <u>5"</u> inches		Time Batched: <u>9:31AM</u>
Water added at site? <input type="checkbox"/> Yes, _____ gallons <input checked="" type="checkbox"/> No		Batch Size: <u>7</u> cu yds
Specimen made by: <u>BRIAN F. / JOSH M.</u>		Date Molded: <u>12-23-10</u> Time: <u>10:00am</u>
Concrete Temperature: <u>53°</u> °F		Date Delivered to Lab: _____
Air Content: <u>5.1%</u> <input type="checkbox"/> N/A		Unit Weight: _____ PCF <input checked="" type="checkbox"/> N/A
Specimen Set No.: <u>490</u>		Weather: <u>SUNNY / WINDY</u>
Test Req'd: _____ At _____ Days; <u>1</u> At 7 days; _____ At 14 Days; <u>2</u> At 28 Days; <u>1</u> Reserved		
Remarks: <u>REV6=</u>		

ROCKVILLE FUEL AND FEED  
PLANT #1 & #2

23Dec10  
9:31AM

Flop Gate: WET  
Batch: 1 of 1

Volume: 7.00 yd3  
Truck #: 67

Mix ID: \*45K1D2N  
TOMMIE TOMLINSON

Mix Desc: 4500 PSI W/AIR/WR/1DC1  
Ticket # 92111  
FACCHINA CONSTRUCTION CO., INC.  
SILVER SPRING TRANSIT CENTER-750

W/(C+P) Ratio: 0.37

Material	Design	Moist	Target	Actual	Free H2O	Status
CON SAND	1166 Lb	6.5%	8729 Lb	8720 Lb	567 Lb	Done
STONE	1750 Lb	0.8%	12349 Lb	12400 Lb	99 Lb	Done
CEMENT	423 Lb	0.0%	2961 Lb	2940 Lb	0 Lb	Done
SLAG	282 Lb	0.0%	1974 Lb	2000 Lb	0 Lb	Done
AEA	6.0 oz	100.0%	21 oz	21 oz	1 Lb	Done
DCI	120.0 oz	100.0%	896 oz	928 oz	60 Lb	Done
WRDA	21.0 oz	0.0%	147 oz	146 oz	0 Lb	Done
WATER	*1 33.2 Gal	100.0%	131 Gal	131 Gal	1091 Lb	Done

Ice/Batch 0 Lb Water allowed by mix design: 232 Total Water 218  
Moisture compensation water: 87 Water allowed at jobsite: 14 Gal

4500 PSI  
SE TRUCK 8220 PSI  
32° 100m  
Rev 105

# ROCKVILLE FUEL & FEED COMPANY, INC.

P.O. Box 1707 12-23-10  
Rockville, MD 20849-1707

READY MIXED CONCRETE

## PLANT LOCATIONS:

Rockville, MD  
College Park, MD  
Columbia, MD

CAUTION: FRESHLY MIXED CONCRETE MAY CAUSE SKIN IRRITATION. AVOID DIRECT CONTACT WHERE POSSIBLE AND WASH EXPOSED SKIN AREAS PROMPTLY WITH WATER. IF ANY CONCRETE GETS INTO THE EYE, RINSE IMMEDIATELY AND REPEATEDLY WITH WATER AND GET PROMPT MEDICAL ATTENTION.

KEEP OUT OF REACH OF CHILDREN

301-762-3988  
1-877-847-RMIX

DATE  
23-Dec-10

TICKET #  
92111

CUSTOMER # 7572 CUSTOMER NAME FACCHINA CONSTRUCTION CO., INC. PROJECT # 3 PROJECT NAME SILVER SPRING TRANSIT CENTER-750

DELIVERY ADDRESS 8404 COLESVILLE ROAD, SILVER SPR MAP LOT/BLOCK P.O. # CUSTOMER JOB NUMBER

INSTRUCTIONS RVL - E/NORBECK, R/GEORGIA AVE., PASS 1-495, R/16th STREET, L/RT. 410, (EAST-WEST HWY), L/COLESVILLE RD TO JOB ON RIGHT. USE WALL. SLUMP 3-5" \*\*\* (DRUM ROTATION COUNTER MUST BE WORKING) \*\*\*

PLANT 1 TRUCK # 67 DRIVER TOMMIE TOMLINSON ORDER # 8 TIME DUE 10:29

LOAD TIME 9:31AM START POUR ADDITIONAL WATER ADDED TO THIS CONCRETE WILL REDUCE ITS STRENGTH. ANY WATER ADDED IS AT CUSTOMER'S RISK. WATER ADDED ON JOB AT CUSTOMER'S REQUEST GAL. WATER ADDED TO THIS LOAD BY AUTHORITY OF X

LOAD QUANTITY	CUMULATIVE QUANTITY	ORDERED QUANTITY	PRODUCT CODE	PRODUCT DESCRIPTION	UNIT OF MEASURE	UNIT PRICE	AMOUNT
7.00	7.00	13.00	*45K1D2N	4500 PSI W/AIR/WR/1DCI	CY		
NOTE: CUMULATIVE QUANTITY VALUES MAY NOT REFLECT ACTUAL YARDS ARRIVED ON JOB.							

CON SAND	1166 LB	AEA	*1	6.0 oz	SUB TOTAL
STONE	1750 LB	DCI		128.0 oz	TAX
CEMENT	423 LB	WRDA		21.0 oz	TOTAL
WATER	*1 33.2 Ga				
SLAG	282 LB				

I HEREBY AUTHORIZED THE TRUCK (OR TRUCKS) DELIVERY MATERIAL TO THIS JOB TO LEAVE THE ROAD AND DRIVE ONTO PRIVATE PROPERTY AS I DIRECT. IN MAKING THIS AUTHORIZATION I ASSUME RESPONSIBILITY FOR ANY AND ALL DAMAGE THAT MAY BE DONE TO SAID PRIVATE PROPERTY AND TO ANY OTHER PROPERTY ADJACENT TO SAID PROPERTY THAT MAY BE TRESPASSED ON FOLLOWING MY DIRECTIONS. I FURTHER INDEMNIFY ROCKVILLE FUEL & FEED COMPANY, INC. AND THE DRIVER OF THIS TRUCK (THESE TRUCKS) FROM ANY LIABILITY RESULTING FROM THIS AUTHORIZATION.

PARADEY wall 350' BETWEEN COLUMN LINES 6 to 7.5 X ON "B" LINE

CUSTOMER ACKNOWLEDGES AND UNDERSTANDS ALL OF TERMS AND CONDITIONS CONTAINED ON BOTH SIDES OF THIS DOCUMENT.

RECEIVED BY: X

CUSTOMER OR AUTHORIZED SIGNATURE

SET#  
490

# ① Silver Spring Transit Center Project

## CONCRETE PLACEMENT CHECKLIST / POUR CARD

PROJECT NUMBER: 16027-0- MD

DATE: 12-23-10

WEATHER: SUNNY / WINDY TEMP: Air = 34°  
Concrete = 53°

POUR LOCATION: PARADEY WALL 350' LEVEL BETWEEN COLUMN  
LINES 6 to 7.5 ON "B" LINE

MIX DESIGN: 4500 PSI CUBIC YARDS: 13 cu yds total placed to

CONVEYANCE METHOD: CRANE / BUCKET

PLACEMENT TIME: START: 10:01 AM FINISH: \_\_\_\_\_

DELAYS: \_\_\_\_\_

ACTIONS: \_\_\_\_\_

### BALTER VERIFICATION

\_\_\_\_\_  
✓

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_  
✓

\_\_\_\_\_

\_\_\_\_\_

### CONCRETE AND REINFORCEMENT

FORMWORK / SHORING

SUB-GRADE FOR SLABS

FOUNDATION BEARING

REINFORCING STEEL

ELEVATED DECK SLAB

DRILLED PIER / SOLDIER PILE

THE ROBERT E. BALTER COMPANY  
Geotechnical Engineers

18 Music Fair Road  
Owings Mills, Maryland 21117

1

COMPRESSIVE STRENGTH TEST SPECIMEN DATA

Project: SST Proj. No.: 16027-0-MD  
Client: MONTGOMERY COUNTY  
Contractor: FACCHINA  
Sample Location: PARAPET WALL 350' LEVEL "B" LINE  
From APPROX 7.5 to 9"  
Method of Placement: CRANE / BUCKET  
Slump: 4 inches  
Water added at site? ☐ Yes, \_\_\_\_\_ gallons ☒ No  
Specimen made by: BRIAN F / TOM W.  
Concrete Temperature: 55 °F  
Air Content: 5% ☐ N/A  
Specimen Set No.: 491  
Test Req'd: At \_\_\_\_\_ Days; 1 At 7 days;  
Remarks: REVS = 175 2 = 56 DAY'S

Supplier: R.F.F.  
Ticket No.: 479530 Truck No.: 81  
Water-Cement Ratio: .33  
Mix Number: 45KID2N  
Mix Design: 4500 PSI  
Time Batched: 11:52 AM  
Batch Size: 10 cu yds  
Date Molded: 12-28-10 Time: 1:00 PM  
Date Delivered to Lab: \_\_\_\_\_  
Unit Weight: \_\_\_\_\_ PCF ☒ N/A  
Weather: SUNNY / WINDY  
Air Temperature: 39 °F  
At 14 Days; 2 At 28 Days; 1 Reserved

ROCKVILLE FUEL AND FEED  
PLANT #4 (BRANCHVILLE)

28Dec10  
11:52AM

Volume: 10.00 yd3 Mix ID: \*45KID2N  
Truck #: ... 81 KEVIN FOSTER

Mix Desc: .4500 PSI W/AIR/WR/1DCI  
Ticket # 479530  
FACCHINA CONSTRUCTION CO., INC.  
SILVER SPRING TRANSIT CENTER-750

W/(C+P) Ratio: 0.33

Material	Design	Moist	Target	Actual	Free H2O	Status
CON SAND	1166 Lb	4.0% 0.0%	12146 Lb	12140 Lb	485 Lb	Done
STONE	1750 Lb	0.9% 0.0%	17658 Lb	17660 Lb	158 Lb	Done
CEMENT	423 Lb	0.0%	4230 Lb	4260 Lb	0 Lb	Over
SLAG	282 Lb	0.0%	2820 Lb	2830 Lb	0 Lb	Done
AEA *1	6.0 oz	0.0%	30 oz	31 oz	0 Lb	Done
DCI	128.0 oz	0.0%	1280 oz	1312 oz	0 Lb	Done
WRDA	21.0 oz	0.0%	210 oz	212 oz	0 Lb	Done
WATER *1	33.2 Gal	100.0%	214 Gal	204 Gal	1699 Lb	Manual

Ice/Batch 0 Lb Water allowed by mix design: 332 Total Water 281  
Moisture compensation water: 77 Water allowed at jobsite: 50 Gal

# **ROCKVILLE FUEL & FEED COMPANY, INC.**

P.O. Box 1707  
Rockville, MD 20849-1707

DATE  
28-Dec-10

CUSTOMER #  
7572

CUSTOMER NAME

FACCHINA CONSTRUCTION CO., INC.

PROJECT #

3

PROJECT NAME

SILVER SPRING TRANSIT CENTER-750

DELIVERY ADDRESS

8404 COLESVILLE ROAD, SILVER SPR

MAP

LOT/BLOCK

P.O. #

CUSTOMER JOB NUMBER

INSTRUCTIONS

RVL - E/NORBECK, R/GEORGIA AVE., PASS I-495, R/16th STREET,  
L/RT. 410 (EAST-WEST HWY), L/COLESVILLE RD TO JOB ON RIGHT.

\*\*\* DRUM ROTATION COUNTER MUST BE WORKING \*\*\*

PLANT

TRUCK #

DRIVER

KEVIN FOSTER

ORDER #

14

LOAD TIME

11:52AM

START POUR

ADDITIONAL WATER ADDED TO THIS CONCRETE WILL REDUCE ITS STRENGTH.  
ANY WATER ADDED IS AT CUSTOMER'S RISK.

ARRIVE JOB SITE

12:42

FINISH POUR

WATER ADDED ON JOB AT CUSTOMER'S REQUEST

GAL.

WATER ADDED TO THIS LOAD BY AUTHORITY OF X

LOAD QUANTITY	CUMULATIVE QUANTITY	ORDERED QUANTITY	PRODUCT CODE	PRODUCT DESCRIPTION	UNIT OF MEASURE	UNIT PRICE	AMOUNT
10.00	10.00	10.00	*45K1D2N	4500 PSI W/AIR/WR/1DCI	CY		
NOTE: CUMULATIVE QUANTITY VALUES MAY NOT REFLECT ACTUAL YARDAGE ON JOB.							

CON SAND 1166 Lb AEA \*1 6.0 oz  
STONE 1750 Lb DCI 128.0 oz  
CEMENT 423 Lb WRDA 21.0 oz  
WATER \*1 33.2 Ga  
SLAG 282 Lb

SUB TOTAL

TAX

TOTAL

I HEREBY AUTHORIZED THE TRUCK (OR TRUCKS) DELIVERY MATERIAL TO THIS JOB TO LEAVE THE ROAD AND DRIVE ONTO PRIVATE PROPERTY AS I DIRECT. IN MAKING THIS AUTHORIZATION I ASSUME RESPONSIBILITY FOR ANY AND ALL DAMAGE THAT MAY BE DONE TO SAID PRIVATE PROPERTY AND TO ANY OTHER PROPERTY ADJACENT TO SAID PROPERTY THAT MAY BE TRESPASSED ON FOLLOWING MY DIRECTIONS. I FURTHER INDEMNIFY ROCKVILLE FUEL & FEED COMPANY, INC. AND THE DRIVER OF THIS TRUCK (THESE TRUCKS) FROM ANY LIABILITY RESULTING FROM THIS AUTHORIZATION.

X

CUSTOMER ACKNOWLEDGES AND UNDERSTANDS ALL OF TERMS AND CONDITIONS CONTAINED ON BOTH SIDES OF THIS DOCUMENT.

RECEIVED BY: X

CUSTOMER OR AUTHORIZED SIGNATURE

Facchina

12-28-10

Revs = 175

Slump = 4"

AE = 5%

Con. Temp. = 55°

Air Temp. 39°



READY MIXED CONCRETE

PLANT LOCATIONS:

Rockville, MD  
College Park, MD  
Columbia, MD

1:00 PM

CAUTION: FRESHLY MIXED CONCRETE MAY CAUSE SKIN IRRITATION. AVOID DIRECT CONTACT WHERE POSSIBLE AND WASH EXPOSED SKIN AREAS PROMPTLY WITH WATER. IF ANY CONCRETE GETS INTO THE EYE, RINSE IMMEDIATELY AND REPEATEDLY WITH WATER AND GET PROMPT MEDICAL ATTENTION.

KEEP OUT OF REACH OF CHILDREN

301-762-3988

1-877-847-RMIX

Parapet wall B line  
from approx. 7.5" to 9" line  
elevation 350'

479530

SET #  
491

①

# Silver Spring Transit Center Project

## CONCRETE PLACEMENT CHECKLIST / POUR CARD

PROJECT NUMBER: 16027-0- MD

DATE: 12-28-10

WEATHER: SUNNY / WINDY TEMP: Air = 39°  
Concrete = 55°

POUR LOCATION: PARADEY WALL 350' LEVEL "B" LINE FROM APPROX.  
"7.5 to 9."

MIX DESIGN: 4500 PSI CUBIC YARDS: 14 cu yds total placed to

CONVEYANCE METHOD: CRANE / BUCKET

PLACEMENT TIME: START: 1:05 PM FINISH: 2:00 PM

DELAYS: \_\_\_\_\_

ACTIONS: \_\_\_\_\_

### BALTER VERIFICATION

✓

\_\_\_\_\_

\_\_\_\_\_

✓

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

### CONCRETE AND REINFORCEMENT

FORMWORK / SHORING

SUB-GRADE FOR SLABS

FOUNDATION BEARING

REINFORCING STEEL

ELEVATED DECK SLAB

DRILLED PIER / SOLDIER PILE



THE ROBERT B. BALTER COMPANY  
Geotechnical Engineers

18 Music Fair Road  
Owings Mills, Maryland 21117

COMPRESSIVE STRENGTH TEST SPECIMEN DATA

Project: SST Ctr. Proj. No.: 16027-0-mb Supplier: Rockville Fuel & Feed Co.  
Client: Montgomery Co. Ticket No.: 92216 Truck No.: 32  
Contractor: Facchina Water-Cement Ratio: .26  
Sample Location: Round column A2-1.9 Mix Number: 8K1DC2NL  
330' to 350' level Mix Design: 8000 psi  
Method of Placement: Crane & Bucket Time Batched: 10:35 AM  
Slump: 7 inches Batch Size: 10 cu yds  
Water added at site? ☒ Yes, 10 gallons ☐ No Date Molded: 12-29-10 Time: 11:20 AM  
Specimen made by: Brian F. & Tom W. Date Delivered to Lab: \_\_\_\_\_  
Concrete Temperature: 65° °F Unit Weight: \_\_\_\_\_ PCF ☒ N/A  
Air Content: 5.6% ☐ N/A Weather: Clear  
Specimen Set No.: 492 Air Temperature: 37° °F  
Test Req'd: \_\_\_\_\_ At \_\_\_\_\_ Days; 1 At 7 days; \_\_\_\_\_ At 14 Days; 2 At 28 Days; 1 Reserved  
Remarks: Revs. = 255, 2 = 56 day Breaks

ROCKVILLE FUEL AND FEED  
PLANT #1 & #2

29Dec10  
10:35AM

Flop Gate:.. WET  
Batch:.. 2 of 2

Volume: 10.00 yd3  
Truck #:... 32

Mix ID: 8K1DC2NL  
CHARLES BALLOU

Mix Desc: 8000 PSI #8 ST AIR/1DCI  
Ticket # 92216  
FACCHINA CONSTRUCTION CO., INC.  
SILVER SPRING TRANSIT CENTER-750

W/(C+P) Ratio: 0.26

Material	Design	Moist	Target	Actual	Free H2O	Status
CON SAND	1000 Lb	5.4% 0.0%	5285 Lb	5220 Lb	285 Lb	Done
STONE8	1850 Lb	0.5% 0.0%	9296 Lb	9380 Lb	46 Lb	Done
CEMENT	550 Lb	0.0%	2750 Lb	2780 Lb	0 Lb	Done
SLAG	360 Lb	0.0%	1800 Lb	1810 Lb	0 Lb	Done
AEA	*1 7.2 oz	100.0%	18 oz	19 oz	1 Lb	Done
WRDA	41.0 oz	0.0%	205 oz	204 oz	0 Lb	Done
SUPER	54.6 oz	100.0%	273 oz	272 oz	18 Lb	Done
DCI	128.0 oz	100.0%	640 oz	672 oz	44 Lb	Done
WATER	*1 32.0 Gal	100.0%	98 Gal	98 Gal	816 Lb	Done

Ice/Batch 0 Lb Water allowed by mix design: 320 Total Water 290  
Moisture compensation water: 91 Water allowed at jobsite: 30 Gal

# 151 TRUCK 8000PSI **Rockville FUEL & FEED COMPANY, INC.**

P.O. Box 1707 12-29-10  
Rockville, MD 20849-1707

READY MIXED CONCRETE *any temp: 37"*

## **PLANT LOCATIONS:**

Rockville, MD  
College Park, MD  
Columbia, MD

*Slump 70"*  
*contemp 65"*  
*Air 5.6-1*

CAUTION: FRESHLY MIXED CONCRETE MAY CAUSE SKIN IRRITATION. AVOID DIRECT CONTACT WHERE POSSIBLE AND WASH EXPOSED SKIN AREAS PROMPTLY WITH WATER. IF ANY CONCRETE GETS INTO THE EYE, RINSE IMMEDIATELY AND REPEATEDLY WITH WATER AND GET PROMPT MEDICAL ATTENTION.

KEEP OUT OF REACH OF CHILDREN

301-762-3988  
1-877-847-RMIX

DATE  
29-Dec-10

6CYL MADE

CUSTOMER # 17372 CUSTOMER NAME FACCHINA CONSTRUCTION CO., INC. PROJECT # 3 PROJECT NAME SILVER SPRING TRANSIT CENTER-730

DELIVERY ADDRESS 8404 COLESVILLE ROAD, SILVER SPR MAP LOT/BLOCK P.O. # CUSTOMER JOB NUMBER

INSTRUCTIONS  
R/L NORBECK, R/GEORGIA AVE., PASS 1-495, R/16th STREET,  
L/R1, 410 (EAST-WEST HWY), L/COLESVILLE RD TO JOB ON RIGHT.  
\*\*\* DRUM ROTATION COUNTER MUST BE WORKING \*\*\*

PLANT 1 TRUCK # 3 DRIVER CHARLES BALLOU ORDER # 30 TIME DUE 11:27

LOAD TIME 10:35AM START POUR  
ARRIVE JOB SITE 11:16 FINISH POUR  
ADDITIONAL WATER ADDED TO THIS CONCRETE WILL REDUCE ITS STRENGTH.  
ANY WATER ADDED IS AT CUSTOMER'S RISK.  
WATER ADDED ON JOB AT CUSTOMER'S REQUEST GAL.  
WATER ADDED TO THIS LOAD BY AUTHORITY OF X

LOAD QUANTITY	CUMULATIVE QUANTITY	ORDERED QUANTITY	PRODUCT CODE	PRODUCT DESCRIPTION	UNIT OF MEASURE	UNIT PRICE	AMOUNT
10.00	10.00	10.00	8K10CENL	8000 PSI #8 ST AIR/1DCI	CY		
NOTE: CUMULATIVE QUANTITY VALUES MAY NOT REFLECT ACTUAL YARDS ARRIVED ON JOB.							

*H<sub>2</sub>O = 10*

CON. SAND	1000 Lb	AEA	*1	7.2 oz	SUB TOTAL TAX TOTAL	87 Lb
STONES	1850 Lb	WRDA		41.0 oz		
CEMENT	550 Lb	SUPER		54.6 oz		
WATER	*1 32.0 Ga	DCI		128.0 oz		
SLAB	360 Lb					

I HEREBY AUTHORIZED THE TRUCK (OR TRUCKS) DELIVERY MATERIAL TO THIS JOB TO LEAVE THE ROAD AND DRIVE ONTO PRIVATE PROPERTY AS I DIRECT. IN MAKING THIS AUTHORIZATION I ASSUME RESPONSIBILITY FOR ANY AND ALL DAMAGE THAT MAY BE DONE TO SAID PRIVATE PROPERTY AND TO ANY OTHER PROPERTY ADJACENT TO SAID PROPERTY THAT MAY BE TRESPASSED ON FOLLOWING MY DIRECTIONS. I FURTHER INDEMNIFY ROCKVILLE FUEL & FEED COMPANY, INC. AND THE DRIVER OF THIS TRUCK (THESE TRUCKS) FROM ANY LIABILITY RESULTING FROM THIS AUTHORIZATION.

*Round column A2-1.9 level 330' to 350'*

CUSTOMER ACKNOWLEDGES AND UNDERSTANDS ALL OF TERMS AND CONDITIONS CONTAINED ON BOTH SIDES OF THIS DOCUMENT.

RECEIVED BY: X

CUSTOMER OR AUTHORIZED SIGNATURE

(Set # 492)

①

BALTER COMPANY

# Silver Spring Transit Center Project

## CONCRETE PLACEMENT CHECKLIST / POUR CARD

PROJECT NUMBER: 16027-0- MD

DATE: 12-29-10

WEATHER: Clear TEMP: Air = 37°  
Concrete = 65°

POUR LOCATION: Round column A2-1.9  
level 330' to 350'

MIX DESIGN: 8000 PSI CUBIC YARDS: cu yds = total placed +

CONVEYANCE METHOD: Crane & Bucket

PLACEMENT TIME: START: 11:30 AM FINISH: 12:00 Noon

DELAYS: \_\_\_\_\_

ACTIONS: \_\_\_\_\_

### BALTER VERIFICATION

✓

\_\_\_\_\_

\_\_\_\_\_

✓

\_\_\_\_\_

\_\_\_\_\_

### CONCRETE AND REINFORCEMENT

FORMWORK / SHORING

SUB-GRADE FOR SLABS

FOUNDATION BEARING

REINFORCING STEEL

ELEVATED DECK SLAB

DRILLED PIER/SOLDIER PILE

THE ROBERT B. BALTER COMPANY  
Geotechnical Engineers

18 Music Fair Road  
Owings Mills, Maryland 21117

COMPRESSION STRENGTH TEST SPECIMEN DATA

Project: SST Ctr. Proj. No.: 16027-D-MD Supplier: Rockville Fuel & Feed Co  
Client: Montgomery Co. Ticket No.: 92269 Truck No.: 72  
Contractor: Facchina Water-Cement Ratio: .26  
Sample Location: DECK POUR IF ELEVATION 330' LEVEL Mix Number: 8K2DC2NL  
BETWEEN COLUMN LINES 8 & 9 and D & E Mix Design: 8000 PSI  
Method of Placement: Concrete Pump Time Batched: 3:11 AM  
Slump: 7 1/2 inches Batch Size: 10 cu yds  
Water added at site? ☐ Yes, \_\_\_\_\_ gallons ☐ No Date Molded: 12-30-10 Time: 3:30 AM  
Specimen made by: Brian F. & Tom W. Date Delivered to Lab: \_\_\_\_\_  
Concrete Temperature: 60° °F Unit Weight: \_\_\_\_\_ PCF ☒ N/A  
Air Content: 5.0 % ☐ N/A Weather: Clear/Night  
Specimen Set No.: 493 Air Temperature: 25° °F  
Test Req'd: \_\_\_\_\_ At \_\_\_\_\_ Days; 2 At 7 days; \_\_\_\_\_ At 14 Days; 3 At 28 Days; \_\_\_\_\_ Reserved  
Remarks: Revolutions = 116, 2 = 56-day Breaks (Lab Cured), 2 = 3-day Breaks (Field Cured), 2 = 5-day Breaks (Field Cured), 3 = 28-day Breaks (Field Cured)

ROCKVILLE FUEL AND FEED  
PLANT #1 & #2

30 Dec 10  
3:11 AM

Flop Date: ... WET  
Batch: ... 2 of 2

Volume: 10.00 yd3 Mix ID: 8K2DC2NL  
Truck #: ... 77 JOHN MELVIN

Mix Desc: 8000 PSI #8 ST AIR/2DCI  
Ticket # 92269  
FACCHINA CONSTRUCTION CO., INC.  
SILVER SPRING TRANSIT CENTER-750

W/(C+P) Ratio: 0.26

Material	Design	Moist	Target	Actual	Free H2O	Status
CON SAND	1000 Lb	5.6%	5297 Lb	5300 Lb	297 Lb	Done
STONES	1850 Lb	0.5%	9296 Lb	9340 Lb	46 Lb	Done
CEMENT	550 Lb	0.0%	2750 Lb	2760 Lb	0 Lb	Done
SLAG	360 Lb	0.0%	1800 Lb	1810 Lb	0 Lb	Done
AEA	9.0 oz	100.0%	23 oz	24 oz	2 Lb	Done
WRDA	41.0 oz	0.0%	205 oz	204 oz	0 Lb	Done
SUPER	54.6 oz	100.0%	273 oz	272 oz	18 Lb	Done
DCI	256.0 oz	100.0%	1280 oz	1312 oz	85 Lb	Done
WATER	31.0 Gal	100.0%	87 Gal	87 Gal	724 Lb	Done

Ice/Batch 0 Lb Water allowed by mix design: 310 Total Water 280  
Moisture compensation water: 109 Water allowed at jobsite: 30 Gal

THE ROBERT E. BALTER COMPANY  
Geotechnical Engineers

COMPRESSIVE STRENGTH TEST SPECIMEN DATA

Project: SST Ctr. Proj. No.: 16027-0-MD  
Client: Montgomery Co.  
Contractor: Facchina  
Sample Location: DECK FOUR IF ELEVATION 330' LEVEL  
BETWEEN COLUMN LINES 8 & 9 and D & E  
Method of Placement: Concrete Pump  
Slump: 7 inches  
Water added at site? ☐ Yes,          gallons ☒ No  
Specimen made by: Brian F. & Tom W  
Concrete Temperature: 61 °F  
Air Content: 4.70 ☐ N/A  
Specimen Set No.: 494

Supplier: Rockville Fuel & Feed Co.  
Ticket No.: 92269 Truck No.: 77  
Water-Cement Ratio: .26  
Mix Number: 8K2DC2M  
Mix Design: 8000 PSI  
Time Batched: 3:11 AM  
Batch Size: 10 cu yds  
Date Molded: 12-30-10 Time: 3:55 A  
Date Delivered to Lab:           
Unit Weight:          PCF ☒ N/A  
Weather: Clear / Night time  
Air Temperature: 25 °F

Test Req'd: At          Days; At 7 days; At 14 Days; At 28 Days; Reserved  
Remarks: Revolutions = 150, 2 = 3-day Breaks (Field cured), 2 = 5-day Breaks  
(Field cured), 2 = 28-day Breaks (Field cured) \* note: - 6 = extra cylinders made for  
comparison set, as per Tim H. (Montg Co.)

ROCKVILLE FUEL AND FEED  
PLANT #1 & #2

Volume: 10.00 yd<sup>3</sup>  
Truck #: 77

Mix ID: 8K2DC2M  
JOHN MELVIN

30 Dec 10  
3:11 AM

Flop Gate: WET  
Batch: 2 of 2

Mix Desc: 8000 PSI #8 ST AIR/2DC1  
Ticket #: 92269  
FACCHINA CONSTRUCTION CO., INC.  
SILVER SPRING TRANSIT CENTER-750

W/(C+P) Ratio: <u>0.26</u>				Target				Free H <sub>2</sub> O		Status
Material	Design	Moist		Target		Actual		Free H <sub>2</sub> O		Status
CON SAND	1000 Lb	5.6%	0.0%	5297 Lb	5300 Lb	297 Lb	Done			
	1850 Lb	0.5%	0.0%	9296 Lb	9340 Lb	46 Lb	Done			
CEMENT	550 Lb	0.0%		2750 Lb	2760 Lb	0 Lb	Done			
	360 Lb	0.0%		1800 Lb	1810 Lb	0 Lb	Done			
SLAG	9.0 oz	100.0%		23 oz	24 oz	2 Lb	Done			
AEA	41.0 oz	0.0%		205 oz	204 oz	0 Lb	Done			
WRDA	54.6 oz	100.0%		273 oz	272 oz	18 Lb	Done			
SUPER	256.0 oz	100.0%		1280 oz	1312 oz	85 Lb	Done			
DCI	31.0 Gal	100.0%		87 Gal	87 Gal	724 Lb	Done			
WATER	*1									
Ice/Batch <u>0 Lb</u>				Water allowed by mix design: <u>310</u>				Total Water		<u>280</u>
Moisture compensation water: <u>109</u>				Water allowed at jobsite: <u>30 Gal</u>						

116 REVS



1st TRUCK 8000 PSI

Rockville

FUEL &

FEED COMPANY, INC.

P.O. Box 1707 12-30-10  
Rockville, MD 20849-1707

2 @ 3:30 AM

SET #  
493



REV 116

READY MIXED CONCRETE

CAUTION: FRESHLY MIXED CONCRETE MAY CAUSE SKIN IRRITATION. AVOID DIRECT CONTACT WHERE POSSIBLE AND WASH EXPOSED SKIN AREAS PROMPTLY WITH WATER. IF ANY CONCRETE GETS INTO THE EYE, RINSE IMMEDIATELY AND REPEATEDLY WITH WATER AND GET PROMPT MEDICAL ATTENTION.

KEEP OUT OF REACH OF CHILDREN

301-762-3988  
1-877-847-RMIX

PLANT LOCATIONS:

Rockville, MD  
College Park, MD  
Columbia, MD

CON. Temp 60°  
OUR Temp = 25°

Air E. 50%

TICKET # 92269

DATE 30-Dec-10

CUSTOMER # 7572

CUSTOMER NAME

FACCHINA CONSTRUCTION CO., INC.

DELIVERY ADDRESS 8404 COLESVILLE ROAD, SILVER SPR

PROJECT # 3

PROJECT NAME

SILVER SPRING TRANSIT CENTER-750

INSTRUCTIONS

R/L E/NORBECK, R/GEORGIA AVE., PASS I-495, R/16th STREET, L/RT. 410 (EAST-WEST HWY), L/COLESVILLE RD TO JOB ON RIGHT.  
\*\*\*\* DRUM ROTATION COUNTER MUST BE WORKING \*\*\*\*

PLANT

TRUCK # 77

DRIVER

JOHN MELVIN

USE

SLAB

SLUMP

6-8"

TIME DUE

04:06

LOAD TIME

3:11AM

START POUR

ORDER #

ARRIVE JOB SITE

FINISH POUR

ADDITIONAL WATER ADDED TO THIS CONCRETE WILL REDUCE ITS STRENGTH.  
ANY WATER ADDED IS AT CUSTOMER'S RISK.  
WATER ADDED ON JOB AT CUSTOMER'S REQUEST  
WATER ADDED TO THIS LOAD BY AUTHORITY OF X

GAL.

LOAD QUANTITY	CUMULATIVE QUANTITY	ORDERED QUANTITY	PRODUCT CODE	PRODUCT DESCRIPTION	UNIT OF MEASURE	UNIT PRICE	AMOUNT
10.00	10.00	500.00	BK2DB2NL	8000 PSI #8 ST AIR/2DCI	YD		
NOTE: CUMULATIVE QUANTITY VALUES MAY NOT REFLECT ACTUAL YARDS ARRIVED ON JOB.							
CON SAND	1000 LB	AEA	*1	9.0 02	Revs=150		
STONE8	1850 LB	WRDA		41.0 02	3:55AM		
CEMENT	550 LB	SUPER		54.6 02			
WATER	*1 31.0 Ga	DCI		256.0 02			
SLAG	360 LB						
						SUB TOTAL	
						TAX	
						TOTAL	

AE=4.7%  
6=cyl. made

CON. temp = 61°  
outside temp = 25°  
Slump = 7"

Set # 494

I HEREBY AUTHORIZED THE TRUCK (OR TRUCKS) DELIVERY MATERIAL TO THIS JOB TO LEAVE THE ROAD AND DRIVE ONTO PRIVATE PROPERTY AS I DIRECT. IN MAKING SAID PROPERTY THAT MAY BE TRESPASSED ON FOLLOWING MY DIRECTIONS. I FURTHER INDEMNIFY ROCKVILLE FUEL & FEED COMPANY, INC. AND THE DRIVER OF THIS TRUCK (THESE TRUCKS) FROM ANY LIABILITY RESULTING FROM THIS AUTHORIZATION.

DECK RVA IF 330' LEVEL BETWEEN COLUMN X LINES

CUSTOMER ACKNOWLEDGES AND UNDERSTANDS ALL OF TERMS AND CONDITIONS CONTAINED ON BOTH SIDES OF THIS DOCUMENT.

RECEIVED BY: X

CUSTOMER OR AUTHORIZED SIGNATURE



THE ROBERT B. BALTER COMPANY

# Silver Spring Transit Center Project

SET #  
493

①

## CONCRETE PLACEMENT CHECKLIST / POUR CARD

PROJECT NUMBER: 16022-0- MD

DATE: 12-30-10

WEATHER: Clear / Night time TEMP: Air = 25°  
Concrete = 60°

POUR LOCATION: DECK POUR IF 330' ELEVATION BETWEEN

COLUMN LINES B & 9 and D & E

MIX DESIGN: 8000 PSI CUBIC YARDS: 470 <sup>cu</sup> <sub>yds</sub> total placed

CONVEYANCE METHOD: PUMP TRUCK

PLACEMENT TIME: START: 4:00AM FINISH: 11:00 AM

DELAYS: \_\_\_\_\_

ACTIONS: \_\_\_\_\_

### BALTER VERIFICATION

✓

\_\_\_\_\_

\_\_\_\_\_

✓

✓

\_\_\_\_\_

### CONCRETE AND REINFORCEMENT

FORMWORK / SHORING

SUB-GRADE FOR SLABS

FOUNDATION BEARING

REINFORCING STEEL

ELEVATED DECK SLAB

DRILLED PIER / SOLDIER PILE

# Silver Spring Transit Center Project

## CONCRETE PLACEMENT CHECKLIST / POUR CARD

Set #  
494

②

PROJECT NUMBER: 16027-0- MD

DATE: 12-30-10

WEATHER: Clear / Night time TEMP: Air = 25°  
Concrete = 61°

POUR LOCATION: DECK POUR IF 330' ELEVATION BETWEEN

COLUMN LINES 8 & 9 and D & E

MIX DESIGN: 8000 PSI CUBIC YARDS: 490 cu yds = total placed

CONVEYANCE METHOD: PUMP TRUCK

PLACEMENT TIME: START: 4:00AM FINISH: 11:00 AM

DELAYS: \_\_\_\_\_

ACTIONS: \_\_\_\_\_

### BALTER VERIFICATION

✓

\_\_\_\_\_

\_\_\_\_\_

✓

✓

\_\_\_\_\_

### CONCRETE AND REINFORCEMENT

FORMWORK / SHORING

SUB-GRADE FOR SLABS

FOUNDATION BEARING

REINFORCING STEEL

ELEVATED DECK SLAB

DRILLED PIER/SOLDIER PILE



THE ROBERT B. BALTER COMPANY  
Geotechnical Engineers

18 Music Fair Road  
Owings Mills, Maryland 21117

3

### COMPRESSIVE STRENGTH TEST SPECIMEN DATA

Project:	SST Ctr	Proj. No.:	16027-0-MD	Supplier:	Rockville Fuel & Feed Co
Client:	Montgomery Co.	Ticket No.:	92272	Truck No.:	69
Contractor:	Facchina	Water-Cement Ratio:	.25	Mix Number:	8K2DC2NL
Sample Location:	DECK FOUR 1 <sup>st</sup> ELEVATION 330' LEVEL	Mix Design:	8000 PSI	Time Batched:	3:37 AM
BETWEEN COLUMN LINES D & E and 8 & 9		Batch Size:	10	cu yds	
Method of Placement:	Concrete Pump	Date Molded:	12-30-10	Time:	4:35
Slump:	7 1/2	Inches		Date Delivered to Lab:	
Water added at site?	<input type="checkbox"/> Yes, _____ gallons	<input checked="" type="checkbox"/> No		Unit Weight:	PCF <input checked="" type="checkbox"/> N/A
Specimen made by:	Brian F. & Tom W	Weather:	Clear/Night	Air Temperature:	25° F
Concrete Temperature:	60°	F		Test Req'd:	At _____ Days; 2 At 7 days; _____ At 14 Days; 3 At 28 Days; _____ Reserved
Air Content:	5.5%	<input type="checkbox"/> N/A		Remarks:	Revolutions = 143, 2 = 56-day Breaks (Lab Cured), 2 = 3-day Breaks (Field Cured), 2 = 5-day Breaks (Field Cured), 3 = 28-day Breaks (Field Cured)
Specimen Set No.:	495				

ROCKVILLE FUEL AND FEED

PLANT #3

Batch Records:

3:37AM

30Dec10

Batch: 2 of 2

Volume: 10.00 yd3

Truck #: ... 69

Mix ID: 8K2DC2NL

DAVID E. KREH,

Mix Desc: 8000 PSI #8 ST AIR/2DC1

Ticket # 92272

FACCHINA CONSTRUCTION CO., INC.

SILVER SPRING TRANSIT CENTER-750

W/(C+P) Ratio: 0.25

Material	Design	Moist	Target	Actual	Free H2O	Status
STONEA	1850 Lb	1.0% 0.0%	9343 Lb	9480 Lb	93 Lb	Over
CON_SAND	1000 Lb	5.5% 0.0%	5291 Lb	5240 Lb	291 Lb	Done
CEMENT	550 Lb	0.0%	2750 Lb	2760 Lb	0 Lb	Done
SLAG	360 Lb	0.0%	1800 Lb	1870 Lb	0 Lb	Over
AEA #1	9.0 oz	100.0%	23 oz	24 oz	2 Lb	Done
WRDA	41.0 oz	100.0%	205 oz	207 oz	13 Lb	Done
SUPER	54.6 oz	100.0%	273 oz	272 oz	18 Lb	Done
DCI	256.0 oz	100.0%	1280 oz	1288 oz	84 Lb	Done
WATER #1	31.0 Gal	100.0%	85 Gal	81 Gal	674 Lb	Done

Ice/Batch 0 Lb Water allowed by mix design: 310 Total Water 281  
Moisture compensation water: 120 Water allowed at jobsite: 29 Gal

# Rockville FUEL & FEED COMPANY, INC.

P.O. Box 1707 12-30-10  
Rockville, MD 20849-1707

READY MIXED CONCRETE

## PLANT LOCATIONS:

Rockville, MD  
College Park, MD  
Columbia, MD

OUT Temp = 25°  
CON Temp = 60°  
CU Temp = 75°  
AIR = 55°  
RAIN 0.4-35mm

CAUTION: FRESHLY MIXED CONCRETE MAY CAUSE SKIN IRRITATION. AVOID DIRECT CONTACT WHERE POSSIBLE AND WASH EXPOSED SKIN AREAS PROMPTLY WITH WATER. IF ANY CONCRETE GETS INTO THE EYE, RINSE IMMEDIATELY AND REPEATEDLY WITH WATER AND GET PROMPT MEDICAL ATTENTION.

KEEP OUT OF REACH OF CHILDREN

301-762-3988  
1-877-847-RMIX

DATE: 30-Dec-10 14 CYL MADE  
CUSTOMER # 7572 CUSTOMER NAME FACCHINA CONSTRUCTION CO., INC. PROJECT # 3 PROJECT NAME SILVER SPRING TRANSIT CENTER 750  
TICKET # 92272

DELIVERY ADDRESS 8404 COLESVILLE ROAD, SILVER SPR. MAP LOT/BLOCK P.O. # CUSTOMER JOB NUMBER  
INSTRUCTIONS RVL - E/NORBECK, R/GEORGIA AVE., PASS 1-495, R/16TH STREET, L/RT, 410 (EAST-WEST HWY), L/COLESVILLE RD TO JOB ON RIGHT. USE SLAB  
\*\*\* DRUM ROTATION COUNTER MUST BE WORKING \*\*\* SLUMP 6-8"  
PLANT TRUCK # DRIVER ORDER # TIME DUE  
3 69 DAVID E. KREH, JR. 1 04:31

LOAD TIME 3:37AM START POUR ADDITIONAL WATER ADDED TO THIS CONCRETE WILL REDUCE ITS STRENGTH. ANY WATER ADDED IS AT CUSTOMER'S RISK.  
ARRIVE JOB SITE 4:23 FINISH POUR WATER ADDED ON JOB AT CUSTOMER'S REQUEST GAL.  
WATER ADDED TO THIS LOAD BY AUTHORITY OF X

LOAD QUANTITY	CUMULATIVE QUANTITY	ORDERED QUANTITY	PRODUCT CODE	PRODUCT DESCRIPTION	UNIT OF MEASURE	UNIT PRICE	AMOUNT
10.00	40.00	500.00	SK2DC2NL	8000 PSI #8 ST AIR/200T			

NOTE: CUMULATIVE QUANTITY VALUES MAY NOT REFLECT ACTUAL YARDAGE ARRIVED ON JOB.

STONE8	1850 Lb	AEA	*1	9.0 oz	SUB TOTAL TAX TOTAL
CON SAND	1000 Lb	WRDA		41.0 oz	
CEMENT	550 Lb	SUPER		54.6 oz	
WATER	*1 31.0 Ga	SLAB		360 Lb	

I HEREBY AUTHORIZED THE TRUCK (OR TRUCKS) DELIVERY MATERIAL TO THIS JOB TO LEAVE THE ROAD AND DRIVE ONTO PRIVATE PROPERTY AS I DIRECT. IN MAKING THIS AUTHORIZATION I ASSUME RESPONSIBILITY FOR ANY AND ALL DAMAGE THAT MAY BE DONE TO SAID PRIVATE PROPERTY AND TO ANY OTHER PROPERTY ADJACENT TO SAID PROPERTY THAT MAY BE TRESPASSED ON FOLLOWING MY DIRECTIONS. I FURTHER INDEMNIFY ROCKVILLE FUEL & FEED COMPANY, INC. AND THE DRIVER OF THIS TRUCK (THESE TRUCKS) FROM ANY LIABILITY RESULTING FROM THIS AUTHORIZATION.

DECK POUR IF 330' LEVEL BETWEEN COLUMNS LINES

CUSTOMER ACKNOWLEDGES AND UNDERSTANDS ALL OF TERMS AND CONDITIONS CONTAINED ON BOTH SIDES OF THIS DOCUMENT.

RECEIVED BY: X

CUSTOMER OR AUTHORIZED SIGNATURE

# Silver Spring Transit Center Project

## CONCRETE PLACEMENT CHECKLIST / POUR CARD

SET #

495

3

PROJECT NUMBER: 16027-0- MD

DATE: 12-30-10

WEATHER: clear / night time TEMP: Air = 25°  
Concrete = 60°

POUR LOCATION: DECK POUR IF 330' ELEVATION BETWEEN

COLUMN LINES D & E and 8 & 9

MIX DESIGN: 8000 PSI CUBIC YARDS: 470<sup>cu</sup> yds = total placed

CONVEYANCE METHOD: PUMP TRUCK

PLACEMENT TIME: START: 4:00AM FINISH: 11:00 AM

DELAYS: \_\_\_\_\_

ACTIONS: \_\_\_\_\_

### BALTER VERIFICATION

### CONCRETE AND REINFORCEMENT

✓

FORMWORK / SHORING

\_\_\_\_\_

SUB-GRADE FOR SLABS

\_\_\_\_\_

FOUNDATION BEARING

✓

REINFORCING STEEL

✓

ELEVATED DECK SLAB

\_\_\_\_\_

DRILLED PIER/SOLDIER PILE 

4

COMPRESSIVE STRENGTH TEST SPECIMEN DATA

Project: SST Ctr. Proj. No.: 16027-0-MD  
 Client: Montgomery Co.  
 Contractor: Facchina  
 Sample Location: DECK DOOR IF ELEVATION 330' LEVEL  
BETWEEN COLUMN LINES 8 & 8.7 and C8 & D  
 Method of Placement: Concrete Pump  
 Slump: 7 1/2 inches  
 Water added at site? ☐ Yes, \_\_\_\_\_ gallons ☒ No  
 Specimen made by: Brian F. & Tom W.  
 Concrete Temperature: 58° °F  
 Air Content: 5.5% ☐ N/A  
 Specimen Set No.: 496  
 Test Req'd: At \_\_\_\_\_ Days; 2 At 7 days; \_\_\_\_\_ At 14 days; 3 At 28 days; \_\_\_\_\_ Reserved  
 Remarks: Revolutions = 190, 2 = 56-day Breaks (Lab Cured), 2 = 3-day Breaks (Field Cured), 2 = 5-day Breaks (Field Cured), 3 = 28-day Breaks (Field Cured)

Supplier: Rockville Fuel & Feed Co.  
 Ticket No.: 92277 Truck No.: 58  
 Water-Cement Ratio: .26  
 Mix Number: 8K2DC2NL  
 Mix Design: 8000 PSI  
 Time Batched: 4:23 AM  
 Batch Size: 10 cu yds  
 Date Molded: 12-30-10 Time: 4:55  
 Date Delivered to Lab: \_\_\_\_\_  
 Unit Weight: \_\_\_\_\_ PCF ☒ N/A  
 Weather: Clear/Night  
 Air Temperature: 28° °F

ROCKVILLE FUEL AND FEED  
PLANT #1 & #2

30 Dec 10  
4:23 AM

Flop Gates: WET  
Batch: 2 of 2

Volume: 10.00 yd3  
Truck #: 58

Mix ID: 8K2DC2NL  
JORGE A. GARCIA

Mix Desc: 8000 PSI #8 ST AIR/2DCI  
Ticket # 92277  
FACCHINA CONSTRUCTION CO., INC.  
SILVER SPRING TRANSIT CENTER-750

W/(C+P) Ratio: 0.26

Material	Design	Moist	Target	Actual	Free H2O	Status
CON SAND	1000 Lb	5.1%	5269 Lb	5240 Lb	269 Lb	Done
STONES	1850 Lb	0.5%	9296 Lb	9280 Lb	46 Lb	Done
CEMENT	550 Lb	0.0%	2750 Lb	2740 Lb	0 Lb	Done
SLAG	360 Lb	0.0%	1800 Lb	1800 Lb	0 Lb	Done
AEA	*1 9.0 oz	100.0%	23 oz	24 oz	2 Lb	Done
WRDA	41.0 oz	0.0%	205 oz	204 oz	0 Lb	Done
SUPER	54.6 oz	100.0%	273 oz	272 oz	18 Lb	Done
DCI	256.0 oz	100.0%	1280 oz	1312 oz	85 Lb	Done
WATER	*1 31.0 Gal	100.0%	90 Gal	90 Gal	749 Lb	Done

Ice/Batch 0 Lb Water allowed by mix design: 310 Total Water 279  
 Moisture compensation water: 102 Water allowed at jobsite: 31 Gal





# Silver Spring Transit Center Project

## CONCRETE PLACEMENT CHECKLIST / POUR CARD

SET #  
496

(4)

PROJECT NUMBER: 16027-0- MD

DATE: 12-30-10

WEATHER: clear/night TEMP: Air = 28°  
Concrete = 58

POUR LOCATION: DECK POUR IF 330' ELEVATION BETWEEN

COLUMN LINES B & B.2 and C8 & D

MIX DESIGN: 8000 PSI CUBIC YARDS: 470 <sup>cu</sup> <sub>yds</sub> total placed

CONVEYANCE METHOD: Pump Truck

PLACEMENT TIME: START: 4:00AM FINISH: 11:00 AM

DELAYS: \_\_\_\_\_

ACTIONS: \_\_\_\_\_

### BALTER VERIFICATION

✓  
\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

✓  
\_\_\_\_\_

✓  
\_\_\_\_\_

\_\_\_\_\_

### CONCRETE AND REINFORCEMENT

FORMWORK / SHORING

SUB-GRADE FOR SLABS

FOUNDATION BEARING

REINFORCING STEEL

ELEVATED DECK SLAB

DRILLED PIER/SOLDIER PILE (⊕)

THE ROBERT B. BALTER COMPANY  
Geotechnical Engineers

18 Music Fair Road  
Owings Mills, Maryland 21117

(5)

### COMPRESSIVE STRENGTH TEST SPECIMEN DATA

Project: SST Ctr Proj. No.: 16027-0-mb Supplier: Rockville Fuel & Feed Co  
Client: Montgomery Co. Ticket No.: 92282 Truck No.: 62  
Contractor: Facchina Water-Cement Ratio: 0.26  
Sample Location: DECK POUR 1<sup>st</sup> ELEVATION 330' LEVEL Mix Number: 8K2DC2NL  
BETWEEN COLUMN LINES B & B.7 and approx. C3 & D Mix Design: 8000 PSI  
Method of Placement: Concrete Pump Time Batched: 4:45 AM  
Slump: 8 inches Batch Size: 10 cu yds  
Water added at site? ☐ Yes,        gallons ☒ No Date Molded: 12-30-10 Time: 5:30 AM  
Specimen made by: Brian F. & Tom W Date Delivered to Lab:         
Concrete Temperature: 60 °F Unit Weight:        PCF ☒ N/A  
Air Content: 6.3 % ☐ N/A Weather: Clear, Night  
Specimen Set No.: 497 Air Temperature: 28° °F  
Test Req'd: At        Days; 2 At 7 days; At 14 Days; 3 At 28 Days; Reserved  
Remarks: Revolutions = 120, 2 = 56-day Breaks (Lab Cured), 2 = 3-day Break (Field Cured), 2 = 5-day Breaks (Field Cured), 3 = 28-day Breaks (Field Cure)

ROCKVILLE FUEL AND FEED  
PLANT B1 & #2

30 Dec 10  
4:45 AM

Flop Gate: WET  
Batch: 2 of 2

Volume: 10.00 yd<sup>3</sup>  
Truck #: 62

Mix ID: 8K2DC2NL  
ALVIN WINDLEY,

Mix Desc: 8000 PSI #8 ST AIR/2DCI  
Ticket # 92282  
FACCHINA CONSTRUCTION CO., INC.  
SILVER SPRING TRANSIT CENTER-750

W/(C+P) Ratio: 0.26

Material	Design	Moist	Target	Actual	Free H2O	Status
CON SAND	1000 Lb	6.6% 0.0%	5353 Lb	5300 Lb	353 Lb	Done
STONE#	1850 Lb	0.5% 0.0%	9296 Lb	9360 Lb	46 Lb	Done
CEMENT	550 Lb	0.0%	2750 Lb	2770 Lb	0 Lb	Done
SLAG	360 Lb	0.0%	1800 Lb	1800 Lb	0 Lb	Done
AEA	*1 9.0 oz	100.0%	23 oz	23 oz	1 Lb	Done
WRDA	41.0 oz	0.0%	205 oz	205 oz	0 Lb	Done
SUPER	54.6 oz	100.0%	273 oz	272 oz	18 Lb	Done
DCI	256.0 oz	100.0%	1280 oz	1312 oz	85 Lb	Done
WATER	*1 31.0 Gal	100.0%	80 Gal	80 Gal	666 Lb	Done

Ice/Batch 0 Lb Water allowed by mix design: 310 Total Water 280  
Moisture compensation water: 113 Water allowed at jobsite: 30 Gal



THE ROBERT B. BALTER COMPANY  
Geotechnical Engineers

6

28 Music Fair Road  
Owings Mills, Maryland 21117

### COMPRESSIVE STRENGTH TEST SPECIMEN DATA

Project: SST Ctr Proj. No.: 16027-0-mb Supplier: Rockville Fuel & Feed Co  
Client: Montgomery Co. Ticket No.: 92282 Truck No.: 62  
Contractor: Facchina Water-Cement Ratio: .26  
Sample Location: DECK POUR IF ELEVATION 330' LEVEL Mix Number: 8K2DC2NL  
BETWEEN COLUMN LINES 8 & 8.7 and approx. Mix Design: 8000 PSI  
Method of Placement: Concrete Pump C3 & D Time Batched: 4:45 AM  
Slump: 7 1/2 inches Batch Size: 10 cu yds  
Water added at site? ☐ Yes, \_\_\_\_\_ gallons ☒ No Date Molded: 12-30-10 Time: 6:00 AM  
Specimen made by: Brian F. & Gm W Date Delivered to Lab: \_\_\_\_\_  
Concrete Temperature: 61° °F Unit Weight: \_\_\_\_\_ PCF ☒ N/A  
Air Content: 5.8% ☐ N/A Weather: Clear, night  
Specimen Set No.: 498 Air Temperature: 28° °F  
Test Req'd: \_\_\_\_\_ At \_\_\_\_\_ Days; \_\_\_\_\_ At 7 days; \_\_\_\_\_ At 14 days; \_\_\_\_\_ At 28 days; \_\_\_\_\_ Reserved  
Remarks: Revolutions = 153, 2 = 3-day Breaks (Field cured), 2 = 5-day Breaks  
(Field cured), 2 = 28-day Breaks (Field cured) \* Note - 6 = extra cylinders made  
for comparison set, as per Tim H. (Montg. Co.)

ROCKVILLE FUEL AND FEED  
PLANT #1 & #2

30Dec10  
4:45AM

Flop Gate: WET  
Batch: 2 of 2

Volume: 10.00 yds Mix ID: 8K2DC2NL  
Truck #: 62 ALVIN WINDLEY,

Mix Desc: 8000 PSI #8 ST AIR/2DCI  
Ticket # 92282  
FACCHINA CONSTRUCTION CO., INC.  
SILVER SPRING TRANSIT CENTER-750

W/(C+P) Ratio: 0.26

Material	Design	Moist	Target	Actual	Free H2O	Status
CON SAND	1000 Lb	6.6% 0.0%	5353 Lb	5300 Lb	353 Lb	Done
STONE8	1850 Lb	0.5% 0.0%	9296 Lb	9360 Lb	46 Lb	Done
CEMENT	550 Lb	0.0%	2750 Lb	2770 Lb	0 Lb	Done
SLAG	360 Lb	0.0%	1800 Lb	1800 Lb	0 Lb	Done
AEA *1	9.0 oz	100.0%	23 oz	23 oz	1 Lb	Done
WRDA	41.0 oz	0.0%	205 oz	205 oz	0 Lb	Done
SUPER	54.6 oz	100.0%	273 oz	272 oz	18 Lb	Done
DCI	256.0 oz	100.0%	1280 oz	1312 oz	85 Lb	Done
WATER *1	31.0 Gal	100.0%	80 Gal	80 Gal	666 Lb	Done

Ice/Batch 0 Lb Water allowed by mix design: 310 Total Water 280  
Moisture compensation water: 113 Water allowed at jobsite: 30 Gal

# 14 TRUCK 802054 **Rockville FUEL & FEED COMPANY, INC.**

P.O. Box 1707 12-30-10  
Rockville, MD 20849-1707

READY MIXED CONCRETE

## **PLANT LOCATIONS:**

Rockville, MD  
College Park, MD  
Columbia, MD

out temp: 28°  
con temp: 60°  
slump = 8"  
AE = 6.3%  
Time @ 5:30am

CAUTION: FRESHLY MIXED CONCRETE MAY CAUSE SKIN IRRITATION. AVOID DIRECT CONTACT WHERE POSSIBLE AND WASH EXPOSED SKIN AREAS PROMPTLY WITH WATER. IF ANY CONCRETE GETS INTO THE EYE, RINSE IMMEDIATELY AND REPEATEDLY WITH WATER AND GET PROMPT MEDICAL ATTENTION.

KEEP OUT OF REACH OF CHILDREN

301-762-3988  
1-877-847-RMIX

DATE  
30-Dec-10

14 CYL MADE

CUSTOMER #  
7572

CUSTOMER NAME

FACCHINA CONSTRUCTION CO., INC.

PROJECT #

PROJECT NAME

SILVER SPRING TRANSIT CENTER-750

DELIVERY ADDRESS

8404 COLESVILLE ROAD, SILVER SPR

MAP

LOT/BLOCK

P.O. #

CUSTOMER JOB NUMBER

INSTRUCTIONS

RUL - E/NORBECK, R/GEORGIA AVE., PASS I-495, R/16th STREET,  
L/RT. 410 (EAST-WEST HWY), L/COLESVILLE RD TO JOB ON RIGHT.

\*\*\*\* DRUM ROTATION COUNTER MUST BE WORKING \*\*\*\*

USE

SLAB

SLUMP

6-8"

PLANT

TRUCK #

DRIVER

ALVIN WINDLEY, JR.

ORDER #

TIME/DATE

05:15

LOAD TIME

4:45AM

START POUR

ADDITIONAL WATER ADDED TO THIS CONCRETE WILL REDUCE ITS STRENGTH.  
ANY WATER ADDED IS AT CUSTOMER'S RISK.

ARRIVE JOB SITE

FINISH POUR

WATER ADDED ON JOB AT CUSTOMER'S REQUEST

GAL.

WATER ADDED TO THIS LOAD BY AUTHORITY OF X

LOAD QUANTITY	CUMULATIVE QUANTITY	ORDERED QUANTITY	PRODUCT CODE	PRODUCT DESCRIPTION	UNIT OF MEASURE	UNIT PRICE	AMOUNT
10.00	140.00	500.00	BK2DC2ML	8000 PSI #8 ST AIR/2DC1	CY		
NOTE: CUMULATIVE QUANTITY VALUES MAY NOT REFLECT ACTUAL YARDS ARRIVED ON JOB.							

CON. SAND 1000 Lb  
STONEB 1850 Lb  
CEMENT 550 Lb  
WATER \*1 31.0 Ga

AE \*1 9.0 oz  
WRDA 41.0 oz  
SUPER 54.6 oz  
DCI 236.0 oz

SLAG 360 Lb

6

Set #498

SUB TOTAL

TAX

TOTAL

out temp. = 28°

con temp. = 61°

slump = 7 1/2"

Time @ 6:00 AM

AE = 5.8%

I HEREBY AUTHORIZED THE TRUCK (OR TRUCKS) DELIVERY MATERIAL TO THIS JOB TO LEAVE THE ROAD AND DRIVE ONTO PRIVATE PROPERTY AS I DIRECT. IN MAKING THIS AUTHORIZATION I ASSUME RESPONSIBILITY FOR ANY AND ALL DAMAGE THAT MAY BE DONE TO SAID PRIVATE PROPERTY AND TO ANY OTHER PROPERTY ADJACENT TO SAID PROPERTY THAT MAY BE TRESPASSED ON FOLLOWING MY DIRECTIONS. I FURTHER INDEMNIFY ROCKVILLE FUEL & FEED COMPANY, INC. AND THE DRIVER OF THIS TRUCK (THESE TRUCKS) FROM ANY LIABILITY RESULTING FROM THIS AUTHORIZATION.

DECK POUR 11' 330' LEVEL BETWEEN COLUMNS x LINES 8 & 8.7 and approx. C3 & D

CUSTOMER ACKNOWLEDGES AND UNDERSTANDS ALL OF TERMS AND CONDITIONS CONTAINED ON BOTH SIDES OF THIS DOCUMENT.

RECEIVED BY: X

CUSTOMER OR AUTHORIZED SIGNATURE

# Silver Spring Transit Center Project

## CONCRETE PLACEMENT CHECKLIST / POUR CARD

SET #  
497

5

PROJECT NUMBER: 16027-0- MD

DATE: 12-30-10

WEATHER: Clear / Night TEMP: Air = 28°  
Concrete = 60°

POUR LOCATION: DECK POUR IF 330' ELEVATION BETWEEN

COLUMN LINES 8 & 8.7 and approx. C3 & D lines

MIX DESIGN: 8000 PSI CUBIC YARDS: 470<sup>cu</sup> yds = total placed

CONVEYANCE METHOD: Pump TRUCK

PLACEMENT TIME: START: 4:00AM FINISH: 11:00 AM

DELAYS: \_\_\_\_\_

ACTIONS: \_\_\_\_\_

### BALTER VERIFICATION

✓

\_\_\_\_\_

\_\_\_\_\_

✓

✓

\_\_\_\_\_

### CONCRETE AND REINFORCEMENT

FORMWORK / SHORING

SUB-GRADE FOR SLABS

FOUNDATION BEARING

REINFORCING STEEL

ELEVATED DECK SLAB

DRILLED PIER/SOLDIER PILE

# Silver Spring Transit Center Project

## CONCRETE PLACEMENT CHECKLIST / POUR CARD

SET #  
498

6

PROJECT NUMBER: 16027-0- MD

DATE: 12-30-10

WEATHER: Clear, Night TEMP: Air = 28°  
Concrete = 61

POUR LOCATION: DECK POUR IF 330' ELEVATION BETWEEN

COLUMN LINES B & B.7 and C3 & D

MIX DESIGN: 8000 PSI CUBIC YARDS: 420<sup>cu</sup> yds = total placed

CONVEYANCE METHOD: PUMP TRUCK

PLACEMENT TIME: START: 4:00AM FINISH: 11:00 AM

DELAYS: \_\_\_\_\_

ACTIONS: \_\_\_\_\_

### BALTER VERIFICATION

✓

\_\_\_\_\_

\_\_\_\_\_

✓

✓

\_\_\_\_\_

### CONCRETE AND REINFORCMENT

FORMWORK / SHORING

SUB-GRADE FOR SLABS

FOUNDATION BEARING

REINFORCING STEEL

ELEVATED DECK SLAB

DRILLED PIER/SOLDIER PILE

7

COMPRESSIVE STRENGTH TEST SPECIMEN DATA

Project: SST Ctr. Proj. No.: 16027-0-MD Supplier: Rockville Fuel & Feed Co.  
Client: Montgomery Co. Ticket No.: 92287 Truck No.: 32  
Contractor: Facchina Water-Cement Ratio: .26  
Sample Location: DECK DOOR IF ELEVATION 330' LEVEL Mix Number: 8K2DC2NL  
BETWEEN COLUMN LINES 8 & 8.7 and approx C311 line Mix Design: 8000 PSI  
Method of Placement: Concrete Pump Time Batched: 5:12 AM  
Slump: 8 inches Batch Size: 10 cu yds  
Water added at site? ☐ Yes,        gallons ☒ No Date Molded: 12-30-10 Time: 6:15 AM  
Specimen made by: Brian F. & Tom W. Date Delivered to Lab:         
Concrete Temperature: 570 °F Unit Weight:        PCF ☒ N/A  
Air Content: 5.4 % ☐ N/A Weather: Clear, Night  
Specimen Set No.: 499 Air Temperature: 28 °F  
Test Req'd: At Days; 2 At 7 days; At 14 Days; 3 At 28 Days; Reserved  
Remarks: Revolutions = 235, 2 = 56-day Breaks (Lab Cured), 2 = 3-day Breaks (Field Cured), 2 = 5-day Breaks (Field Cured), 3 = 28-day Breaks (Field Cured)

ROCKVILLE FUEL AND FEED  
PLANT #1 & #2

30Dec10  
5:12AM

Flop Gates... NET  
Batch: 2 of 2

Volume: 10.00 yd3  
Truck #1... 32

Mix ID: 8K2DC2NL  
CHARLES BALLOU

Mix Desc: 8000 PSI #8 ST AIR/2DC1  
Ticket # 92287  
FACCHINA CONSTRUCTION CO., INC.  
SILVER SPRING TRANSIT CENTER-750

W/(C+D) Ratio: 0.26

Material	Design	Moist	Target	Actual	Free H2O	Status
CON SAND	1000 Lb	5.2% 0.0%	5200 Lb	5240 Lb	280 Lb	Done
STONES	1850 Lb	0.5% 0.0%	9296 Lb	9280 Lb	46 Lb	Done
CEMENT	550 Lb	0.0%	2750 Lb	2740 Lb	0 Lb	Done
SLAB	360 Lb	0.0%	1800 Lb	1790 Lb	0 Lb	Done
AEA	*1 9.0 oz	100.0%	23 oz	23 oz	1 Lb	Done
WRDA	41.0 oz	0.0%	205 oz	204 oz	0 Lb	Done
SUPER	34.0 oz	100.0%	273 oz	272 oz	10 Lb	Done
DCI	250.0 oz	100.0%	1280 oz	1312 oz	85 Lb	Done
WATER	*1 31.0 Gal	100.0%	89 Gal	89 Gal	741 Lb	Done

Ice/Batch 0 Lb Water allowed by mix design: 310 Total Water 280  
Moisture compensation water: 33 Water allowed at jobsite: 30 Gal



# 19TH TRUCK 8:20 PM **Rockville** **FUEL &** **FEED COMPANY, INC.**

P.O. Box 1707 12-30-10  
Rockville, MD 20849-1707

READY MIXED CONCRETE

PLANT LOCATIONS: CON Temp = 57°

Rockville, MD OUT Temp = 28°  
College Park, MD Lump = 8"  
Columbia, MD WFE = 5.4%  
Arrival 2:15 AM

301-762-3988  
1-877-847-RMIX

CAUTION: FRESHLY MIXED CONCRETE MAY CAUSE SKIN IRRITATION. AVOID DIRECT CONTACT WHERE POSSIBLE, AND WASH EXPOSED SKIN AREAS PROMPTLY WITH WATER. IF ANY CONCRETE GETS INTO THE EYE, RINSE IMMEDIATELY AND REPEATEDLY WITH WATER AND GET PROMPT MEDICAL ATTENTION.

KEEP OUT OF REACH OF CHILDREN

DATE  
30-Dec-10

CUSTOMER #  
7572

CUSTOMER NAME  
FACCHINA CONSTRUCTION CO., INC.

PROJECT #  
3

PROJECT NAME  
SILVER SPRING TRANSIT CENTER-750

TICKET #  
52287

DELIVERY ADDRESS  
8404 COLESVILLE ROAD, SILVER SPR

MAP

LOT/BLOCK

P.O. #

CUSTOMER JOB NUMBER

## INSTRUCTIONS

RUL - E/NORBECK, R/GEORGIA AVE., PASS 1-495, R/16th STREET,  
L/RT. 410 (EAST-WEST HWY), L/COLESVILLE RD TO JOB ON RIGHT.

\*\*\* DRUM ROTATION COUNTER MUST BE WORKING \*\*\*

USE  
SLAB

SLUMP  
6-8"

PLANT

TRUCK #

DRIVER

CHARLES BALLOU

ORDER #

1

TIME/DATE  
05:41

LOAD TIME

5:12 AM

START POUR

ADDITIONAL WATER ADDED TO THIS CONCRETE WILL REDUCE ITS STRENGTH.  
ANY WATER ADDED IS AT CUSTOMER'S RISK.

ARRIVE JOB SITE

FINISH POUR

WATER ADDED ON JOB AT CUSTOMER'S REQUEST

GAL

WATER ADDED TO THIS LOAD BY AUTHORITY OF X

LOAD QUANTITY	CUMULATIVE QUANTITY	ORDERED QUANTITY	PRODUCT CODE	PRODUCT DESCRIPTION	UNIT OF MEASURE	UNIT PRICE	AMOUNT
10.00	190.00	500.00	AK2062NL	8000 PSI #8 ST AIR/2DC1	CY		
NOTE: CUMULATIVE QUANTITY VALUES MAY NOT REFLECT ACTUAL YARDS ARRIVED ON JOB.							

CON SAND 1000 Lb AEA \*1 9.0 oz  
STONE 8 1850 Lb WRDA 41.0 oz  
CEMENT 550 Lb SUPER 54.6 oz  
WATER \*1 31.0 Ga DCI 256.0 oz

SUB TOTAL  
TAX  
TOTAL

171 Lb

SLAG 360 Lb

I HEREBY AUTHORIZED THE TRUCK (OR TRUCKS) DELIVERY MATERIAL TO THIS JOB TO LEAVE THE ROAD AND DRIVE ONTO PRIVATE PROPERTY AS I DIRECT. IN MAKING THIS AUTHORIZATION I ASSUME RESPONSIBILITY FOR ANY AND ALL DAMAGE THAT MAY BE DONE TO SAID PRIVATE PROPERTY AND TO ANY OTHER PROPERTY ADJACENT TO SAID PROPERTY THAT MAY BE TRESPASSED ON FOLLOWING MY DIRECTIONS. I FURTHER INDEMNIFY ROCKVILLE FUEL & FEED COMPANY, INC. AND THE DRIVER OF THIS TRUCK (THESE TRUCKS) FROM ANY LIABILITY RESULTING FROM THIS AUTHORIZATION.

DECK POUR IF 330' LEVEL BETWEEN COLUMN X LINES 8 & 8.7 and approx. C3 & D

CUSTOMER ACKNOWLEDGES AND UNDERSTANDS ALL OF TERMS AND CONDITIONS CONTAINED ON BOTH SIDES OF THIS DOCUMENT.

RECEIVED BY: X

CUSTOMER OR AUTHORIZED SIGNATURE

# Silver Spring Transit Center Project

## CONCRETE PLACEMENT CHECKLIST / POUR CARD

SET #  
499

7

PROJECT NUMBER: 16027-0- MD

DATE: 12-30-10

WEATHER: \_\_\_\_\_ TEMP: Air = 28°  
Concrete = 57

POUR LOCATION: DECK POUR IF 330' ELEVATION BETWEEN

COLUMN LINES B & 8.7 and approx C3 & D

MIX DESIGN: 8000 PSI CUBIC YARDS: 470<sup>cu</sup> yds = total placed

CONVEYANCE METHOD: PUMP TRUCK

PLACEMENT TIME: START: 4:00AM FINISH: 11:00 AM

DELAYS: \_\_\_\_\_

ACTIONS: \_\_\_\_\_

### BALTER VERIFICATION

✓

\_\_\_\_\_

\_\_\_\_\_

✓

✓

\_\_\_\_\_

### CONCRETE AND REINFORCEMENT

FORMWORK / SHORING

SUB-GRADE FOR SLABS

FOUNDATION BEARING

REINFORCING STEEL

ELEVATED DECK SLAB

DRILLED PIER/SOLDIER PILE ☒



8

COMPRESSIVE STRENGTH TEST SPECIMEN DATA

Project: SST CTR Proj. No.: 16027-0-MD Supplier: Rockville Fuel & Feed Co.  
Client: Montgomery Co. Ticket No.: 92292 Truck No.: 27  
Contractor: Facchina Water-Cement Ratio: .26  
Sample Location: DECK POUR IF ELEVATION 330' LEVEL Mix Number: 8K2DC2NL  
BETWEEN COLUMN LINES 7 & 8 and C8 & D Mix Design: 8000 PSI  
Method of Placement: Concrete Pump Time Batched: 5:41AM  
Slump: 8 inches Batch Size: 10 cu yds  
Water added at site? ☐ Yes,        gallons ☒ No Date Molded: 12-30-10 Time: 6:26A  
Specimen made by: Brian F. & Tom W Date Delivered to Lab:         
Concrete Temperature: 60 °F Unit Weight:        PCF ☒ N/A  
Air Content: 6.2% ☐ N/A Weather: Cloudy  
Specimen Set No.: 500 Air Temperature: 30 °F  
Test Req'd: At        Days; 2 At 7 days;        At 14 Days; 3 At 28 Days;        Reserved  
Remarks: Revolutions = 189, 2 = 56-day Breaks (Lab Cured), 2 = 3-day Break (Field Cured), 2 = 5-day Breaks (Field Cured), 3 = 28-day Breaks (Field Cured)

ROCKVILLE FUEL AND FEED  
PLANT #1 & #2

30Dec10  
5:41AM

Flop Gate: WET  
Batch: 2 of 2

Volume: 10.00 yd3 Mix ID: 8K2DC2NL  
Truck #: 27 YAW OFORI ATT

Mix Desc: 8000 PSI #8 ST AIR/2DC1  
Ticket # 92292  
FACCHINA CONSTRUCTION CO., INC.  
SILVER SPRING TRANSIT CENTER-750

W/C(P) Ratio: 0.26

Material	Design	Moist	Target	Actual	Free H2O	Status
CON SAND	1000 Lb	7.5%	5405 Lb	5360 Lb	405 Lb	Done
STONE8	1850 Lb	0.5%	9296 Lb	9280 Lb	46 Lb	Done
CEMENT	550 Lb	0.0%	2750 Lb	2750 Lb	0 Lb	Done
SLAG	360 Lb	0.0%	1800 Lb	1810 Lb	0 Lb	Done
SEA	9.0 oz	100.0%	23 oz	23 oz	1 Lb	Done
VRDA	41.0 oz	0.0%	205 oz	204 oz	0 Lb	Done
SUPER	54.6 oz	100.0%	273 oz	272 oz	10 Lb	Done
ICI	256.0 oz	100.0%	1280 oz	1312 oz	85 Lb	Done
WATER	31.0 Gal	100.0%	74 Gal	74 Gal	616 Lb	Done

Ice/Batch: 0 Lb Water allowed by mix design: 310 Total Water: 200  
Moisture compensation water: 127 Water allowed at jobsite: 30 Gal

# 24th TRUCK 8000 PSI **ROCKVILLE FUEL & FEED COMPANY, INC.**

P.O. Box 1707 1230 10  
Rockville, MD 20849-1707



READY MIXED CONCRETE

## **PLANT LOCATIONS:**

Rockville, MD  
College Park, MD  
Columbia, MD

CAUTION: FRESHLY MIXED CONCRETE MAY CAUSE SKIN IRRITATION. AVOID DIRECT CONTACT WHERE POSSIBLE AND WASI EXPOSED SKIN AREAS PROMPTLY WITH WATER. IF ANY CONCRETE GETS INTO THE EYE, RINSE IMMEDIATELY AND REPEATEDLY WITH WATER AND GET PROMPT MEDICAL ATTENTION.

KEEP OUT OF REACH OF CHILDREN

301-762-3988  
1-877-847-RMIX

DATE 30-Dec-10 14 CYL MADE

CUSTOMER # 7572 CUSTOMER NAME FACCHINA CONSTRUCTION CO., INC. PROJECT # 3 PROJECT NAME SILVER SPRING TRANSIT CENTER-750

DELIVERY ADDRESS 8404 COLESVILLE ROAD, SILVER SPR MAP LOT/BLOCK P.O. # CUSTOMER JOB NUMBER

INSTRUCTIONS RVL - E/NORBECK, R/GEORGIA AVE., PASS 1-495, R/16th STREET, L/RT. 410 (EAST-WEST HWY), L/COLESVILLE RD TO JOB ON RIGHT. \*\*\*\*\* DRUM ROTATION COUNTER MUST BE WORKING \*\*\*\*\*

PLANT 1 TRUCK # 27 DRIVER YAW OFORI ATTA ORDER # 1 TIME DUE 06:05

LOAD TIME 5:41AM START POUR ADDITIONAL WATER ADDED TO THIS CONCRETE WILL REDUCE ITS STRENGTH. ANY WATER ADDED IS AT CUSTOMER'S RISK. WATER ADDED ON JOB AT CUSTOMER'S REQUEST GAL. WATER ADDED TO THIS LOAD BY AUTHORITY OF X

LOAD QUANTITY	CUMULATIVE QUANTITY	ORDERED QUANTITY	PRODUCT CODE	PRODUCT DESCRIPTION	UNIT OF MEASURE	UNIT PRICE	AMOUNT
10.00	240.00	500.00	AK2DC2NL	8000 PSI #8 ST AIR/2DCI	CY		

NOTE: CUMULATIVE QUANTITY VALUES MAY NOT REFLECT ACTUAL YARDS ARRIVED ON JOB.

CON SAND	1000 Lb	AEA	#1	9.0 oz	SUB TOTAL TAX TOTAL
STONE 0	1850 Lb	WRDA		41.0 oz	
CEMENT	550 Lb	SUPER		54.6 oz	
WATER	*1 31.0 Ga	DCI		256.0 oz	

SLAB 360 Lb

I HEREBY AUTHORIZED THE TRUCK (OR TRUCKS) DELIVERY MATERIAL TO THIS JOB TO LEAVE THE ROAD AND DRIVE ONTO PRIVATE PROPERTY AS I DIRECT. IN MAKING THIS AUTHORIZATION I ASSUME RESPONSIBILITY FOR ANY AND ALL DAMAGE THAT MAY BE DONE TO SAID PRIVATE PROPERTY AND TO ANY OTHER PROPERTY ADJACENT TO SAID PROPERTY THAT MAY BE TRESPASSED ON FOLLOWING MY DIRECTIONS. I FURTHER INDEMNIFY ROCKVILLE FUEL & FEED COMPANY, INC. AND THE DRIVER OF THIS TRUCK (THESE TRUCKS) FROM ANY LIABILITY RESULTING FROM THIS AUTHORIZATION.

Deck pour IF 330' level btwn columx lines 7 & 8 and C & D

CUSTOMER ACKNOWLEDGES AND UNDERSTANDS ALL OF TERMS AND CONDITIONS CONTAINED ON BOTH SIDES OF THIS DOCUMENT.

RECEIVED BY: X CUSTOMER OR AUTHORIZED SIGNATURE

## Silver Spring Transit Center Project

CONCRETE PLACEMENT CHECKLIST / POUR CARDSet #  
500

(8)

PROJECT NUMBER: 16027-0- MDDATE: 12-30-10WEATHER: \_\_\_\_\_ TEMP: Air = 60°  
Concrete = 30POUR LOCATION: DECK POUR IF 330' ELEVATION BETWEENCOLUMN LINES 7 & 8 and C8 & DMIX DESIGN: 8000 PSI CUBIC YARDS: 470<sup>cu</sup> yds total placedCONVEYANCE METHOD: Pump TRUCKPLACEMENT TIME: START: 4:00AM FINISH: 11:00 AM

DELAYS: \_\_\_\_\_

ACTIONS: \_\_\_\_\_

BALTER VERIFICATIONCONCRETE AND REINFORCEMENT✓

FORMWORK / SHORING

\_\_\_\_\_

SUB-GRADE FOR SLABS

\_\_\_\_\_

FOUNDATION BEARING

✓

REINFORCING STEEL

✓

ELEVATED DECK SLAB

\_\_\_\_\_

DRILLED PIER/SOLDIER PILE

9

COMPRESSIVE STRENGTH TEST SPECIMEN DATA

Project: SST Ctr Proj. No.: 16027-0-MD Supplier: Rockville Fuel & Feed Co  
Client: Montgomery Co. Ticket No.: 92297 Truck No.: 80  
Contractor: Facchina Water-Cement Ratio: 0.26  
Sample Location: DECK FOUR IF ELEVATION 330' LEVEL Mix Number: 8K2DC2NL  
BETWEEN COLUMN LINES 7/8 AND APPROX C9 TO C8 Mix Design: 8000 PSI  
Method of Placement: Concrete Pump Time Batched: 6:13AM  
Slump: 8" inches Batch Size: 10 cu yds  
Water added at site? ☐ Yes,        gallons ☒ No Date Molded: 12-30-10 Time: 6:47AM  
Specimen made by: Brian F. & Tom W Date Delivered to Lab:         
Concrete Temperature: 60° °F Unit Weight:        PCF ☒ N/A  
Air Content: 5.2% ☐ N/A Weather: CLEAR  
Specimen Set No.: 501 Air Temperature: 31° °F  
Test Req'd:        At        Days; 2 At 7 days;        At 14 Days; 3 At 28 Days;        Reserved  
Remarks: Revolutions = 96, 2 = 56-day Breaks (Lab Cured), 2 = 3-day Break (Field Cured), 2 = 5-day Breaks (Field Cured), 3 = 28-day Breaks (Field Cured)

ROCKVILLE FUEL AND FEED  
PLANT #1 & #2

30Dec10  
6:13AM

Flop Gate:.. WET  
Batch:.. 2 of 2

Volume: 10.00 yd3 Mix ID: 8K2DC2NL  
Truck #:... 80 DWIGHT L. EVANS

Mix Desc: 8000 PSI #8 ST AIR/2DCI  
Ticket # 92297  
FACCHINA CONSTRUCTION CO., INC.  
SILVER SPRING TRANSIT CENTER-750

W/(C+P) Ratio: 0.26

Material	Design	Moist	Target	Actual	Free H2O	Status
CON SAND	1000 Lb	6.5% 0.0%	5348 Lb	5300 Lb	348 Lb	Done
STONE8	1850 Lb	0.5% 0.0%	9296 Lb	9300 Lb	46 Lb	Done
CEMENT	s 550 Lb	0.0%	2750 Lb	2770 Lb	0 Lb	Done
SLAG	360 Lb	0.0%	1800 Lb	1790 Lb	0 Lb	Done
AEA	*1 9.0 oz	100.0%	23 oz	24 oz	2 Lb	Done
WRDA	41.0 oz	0.0%	205 oz	204 oz	0 Lb	Done
SUPER	54.6 oz	100.0%	273 oz	272 oz	18 Lb	Done
DCI	256.0 oz	100.0%	1280 oz	1312 oz	85 Lb	Done
WATER	*1 31.0 Gal	100.0%	81 Gal	81 Gal	674 Lb	Done

Ice/Batch 0 Lb Water allowed by mix design: 310 Total Water 280  
Moisture compensation water: 113 Water allowed at jobsite: 30 Gal

# 29th Truck 8000psi **Rockville Fuel & Feed Company, Inc.**

P.O. Box 1707 12-30 10  
Rockville, MD 20849-1707



READY MIXED CONCRETE

## **PLANT LOCATIONS:**

Rockville, MD  
College Park, MD  
Columbia, MD

CAUTION: FREQUENTLY MIXED CONCRETE MAY CAUSE SKIN IRRITATION. AVOID DIRECT CONTACT WHERE POSSIBLE AND WASH EXPOSED SKIN AREAS PROMPTLY WITH WATER. IF ANY CONCRETE GETS INTO THE EYE, RINSE IMMEDIATELY AND REPEATEDLY WITH WATER AND GET PROMPT MEDICAL ATTENTION.

KEEP OUT OF REACH OF CHILDREN

301-762-3988  
1-877-847-RMIX

DATE 30-Dec-10

14 CYL MADE

CUSTOMER # 757

CUSTOMER NAME

FALCHIN CONSTRUCTION CO., INC.

PROJECT # 3

PROJECT NAME

SILVER SPRING TRANSIT CENTER-750

DELIVERY ADDRESS

8404 COLESVILLE ROAD, SILVER SPR

MAP

LOT/BLOCK

P.O. #

CUSTOMER JOB NUMBER

INSTRUCTIONS

RVL - 2/NORBECK, R/GEORGIA AVE., PASS 1-495, R/16th STREET,  
L/RT. 410 (EAST-WEST HWY), L/COLESVILLE RD TO JOB ON RIGHT.

\*\*\*\* DRUM ROTATION COUNTER MUST BE WORKING \*\*\*\*

USE

SLAB

SLUMP

8"

PLANT

TRUCK #

DRIVER

DWIGHT L. EVANS

ORDER #

1

TIME DUE

06:37

LOAD TIME

6:13AM

START POUR

ADDITIONAL WATER ADDED TO THIS CONCRETE WILL REDUCE ITS STRENGTH.  
ANY WATER ADDED IS AT CUSTOMER'S RISK.

ARRIVE JOB SITE

FINISH POUR

WATER ADDED ON JOB AT CUSTOMER'S REQUEST

GAL

WATER ADDED TO THIS LOAD BY AUTHORITY OF X

LOAD QUANTITY	CUMULATIVE QUANTITY	ORDERED QUANTITY	PRODUCT CODE	PRODUCT DESCRIPTION	UNIT OF MEASURE	UNIT PRICE	AMOUNT
10.00	290.00	500.00	8K2DC2NL	8000 PSI #8 ST AIR/2DCI	CY		
NOTE: CUMULATIVE QUANTITY VALUES MAY NOT REFLECT ACTUAL YARDS ARRIVED ON JOB.							

CON SAND 1000 LB AEA \*1 9.0 02

STONE 8 1850 LB WRDA 41.0 02

CEMENT 550 LB SUPER 54.6 02

WATER \*1 31.0 GA DCI 256.0 02

SUB TOTAL

TAX

TOTAL

171 LB

SLAB 360 LB

I HEREBY AUTHORIZED THE TRUCK (OR TRUCKS) DELIVERY MATERIAL TO THIS JOB TO LEAVE THE ROAD AND DRIVE ONTO PRIVATE PROPERTY AS I DIRECT. IN MAKING THIS AUTHORIZATION I ASSUME RESPONSIBILITY FOR ANY AND ALL DAMAGE THAT MAY BE DONE TO SAID PRIVATE PROPERTY AND TO ANY OTHER PROPERTY ADJACENT TO SAID PROPERTY THAT MAY BE TRESPASSED ON FOLLOWING MY DIRECTIONS. I FURTHER INDEMNIFY ROCKVILLE FUEL & FEED COMPANY, INC. AND THE DRIVER OF THIS TRUCK (THESE TRUCKS) FROM ANY LIABILITY RESULTING FROM THIS AUTHORIZATION.

DECK POUR 1P 330' LEVEL BETWEEN COLUMN X LINES 7 & 8 and approx C3 to C8

CUSTOMER ACKNOWLEDGES AND UNDERSTANDS ALL OF TERMS AND CONDITIONS CONTAINED ON BOTH SIDES OF THIS DOCUMENT.

RECEIVED BY: X

CUSTOMER OR AUTHORIZED SIGNATURE



## Silver Spring Transit Center Project

CONCRETE PLACEMENT CHECKLIST / POUR CARDSET #  
501

(9)

PROJECT NUMBER: 16027-0- MDDATE: 12-30-10WEATHER: CLEARTEMP: Air = 31°  
Concrete = 60POUR LOCATION: DECK POUR IF 330' ELEVATION BETWEENCOLUMN LINES 7 & 8 and approx. C3 to C8MIX DESIGN: 8000 PSI CUBIC YARDS: 470 cu yds = total placedCONVEYANCE METHOD: PUMP TRUCKPLACEMENT TIME: START: 4:00AM FINISH: 11:00 AM

DELAYS: \_\_\_\_\_

ACTIONS: \_\_\_\_\_

BALTER VERIFICATIONCONCRETE AND REINFORCMENT✓

FORMWORK / SHORING

\_\_\_\_\_

SUB-GRADE FOR SLABS

\_\_\_\_\_

FOUNDATION BEARING

✓

REINFORCING STEEL

✓

ELEVATED DECK SLAB

\_\_\_\_\_

DRILLED PIER/SOLDIER PILE

COMPRESSIVE STRENGTH TEST SPECIMEN DATA

Project: SST Ctr. Proj. No.: 16027-D-MD Supplier: Rockville Fuel & Feed Co  
Client: Montgomery Co. Ticket No.: 92302 Truck No.: 410  
Contractor: Facchina Water-Cement Ratio: 0.26  
Sample Location: DECK DOOR IF ELEVATION 330' LEVEL Mix Number: 8K2DC2NL  
BETWEEN COLUMN LINES Mix Design: 8000 PSI  
Method of Placement: Concrete Pump Time Batched: 6:38am  
Slump: 8" inches Batch Size: 10 cu yds  
Water added at site? ☐ Yes,        gallons ☒ No Date Molded: 12-30-10 Time: 7:35am  
Specimen made by: Brian F. & Tom W. Date Delivered to Lab:         
Concrete Temperature: 59° °F Unit Weight:        PCF ☒ N/A  
Air Content: 32° ☐ N/A Weather: SUNNY  
Specimen Set No.: 502 Air Temperature: 32° °F  
Test Req'd: At Days; 2 At 7 days; At 14 Days; 3 At 28 Days; Reserved  
Remarks: Revolutions = 168, 2 = 56-day Breaks (Lab Cured), 2 = 3-day Breaks (Field Cured), 2 = 5-day Breaks (Field Cured), 3 = 28-day Breaks (Field Cured)

ROCKVILLE FUEL AND FEED  
PLANT #1 & #2

30Dec10  
6:38AM

Flop Gate:.. WET  
Batch:.. 2 of 2

Volume: 10.00 yd3  
Truck #: 410

Mix ID: 8K2DC2NL  
MANUEL VILLEGAS

Mix Desc: 8000 PSI #8 ST AIR/2DCI  
Ticket # 92302  
FACCHINA CONSTRUCTION CO., INC.  
SILVER SPRING TRANSIT CENTER-750

W/(C+P) Ratio: 0.26

Material	Design	Moist	Target	Actual	Free H2O	Status
CON_SAND	1000 Lb	5.5%	5291 Lb	5360 Lb	291 Lb	Done
STONES	1850 Lb	0.5%	9295 Lb	9320 Lb	46 Lb	Done
CEMENT	550 Lb	0.0%	2750 Lb	2730 Lb	0 Lb	Done
SLAG	360 Lb	0.0%	1800 Lb	1810 Lb	0 Lb	Done
AEA	*1 9.0 oz	100.0%	23 oz	24 oz	2 Lb	Done
WRDA	41.0 oz	0.0%	205 oz	204 oz	0 Lb	Done
SUPER	54.6 oz	100.0%	273 oz	272 oz	18 Lb	Done
DCI	256.0 oz	100.0%	1260 oz	1312 oz	85 Lb	Done
WATER	*1 31.0 Gal	100.0%	88 Gal	88 Gal	733 Lb	Done

Ice/Batch 0 Lb Water allowed by mix design: 310 Total Water 280  
Moisture compensation water: 105 Water allowed at jobsite: 30 Gal



# 34th 8000 psi 12-30-10 (10) set 502 Rockville Fuel & Feed Company, Inc.



CAUTION: FRESHLY MIXED CONCRETE MAY CAUSE SKIN IRRITATION. AVOID DIRECT CONTACT WHERE POSSIBLE AND WASH EXPOSED SKIN AREAS PROMPTLY WITH WATER. IF ANY CONCRETE GETS INTO THE EYE, RINSE IMMEDIATELY AND REPEATEDLY WITH WATER AND GET PROMPT MEDICAL ATTENTION.  
KEEP OUT OF REACH OF CHILDREN

P.O. Box 1707  
Rockville, MD 20849-1707

## PLANT LOCATIONS:

Rockville, MD  
College Park, MD  
Columbia, MD

301-762-3988  
1-877-847-RMIX

DATE  
30-Dec-10

slump = 8"  
con. temp. 59°  
air temp. 32°

165  
time 7:35 AM

TICKET #  
92343

CUSTOMER # 7572	CUSTOMER NAME FACECHINA CONSTRUCTION CO., INC.	PROJECT # 3	PROJECT NAME SILVER SPRING TRANSIT CENTER-750
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DELIVERY ADDRESS 8404 COLESVILLE ROAD, SILVER SPR	MAP	LOT/BLOCK	P.O. #	CUSTOMER JOB NUMBER
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INSTRUCTIONS RVL - E/NORBECK, R/GEORGIA AVE., PASS 1-495, R/16TH STREET, L/RT. 410 (EAST-WEST HWY), L/COLESVILLE RD TO JOB ON RIGHT. *** DRUM ROTATION COUNTER MUST BE WORKING ***	USE SLAB
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PLANT 1	TRUCK # 410	DRIVER MANUEL VILLEGAS	ORDER # 1	TIME DUE 07:00
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LOAD TIME 6:38AM	START POUR	ADDITIONAL WATER ADDED TO THIS CONCRETE WILL REDUCE ITS STRENGTH. ANY WATER ADDED IS AT CUSTOMER'S RISK.
ARRIVE JOB SITE 7:00	FINISH POUR	WATER ADDED ON JOB AT CUSTOMER'S REQUEST _____ GAL. WATER ADDED TO THIS LOAD BY AUTHORITY OF X _____

LOAD QUANTITY	CUMULATIVE QUANTITY	ORDERED QUANTITY	PRODUCT CODE	PRODUCT DESCRIPTION	UNIT OF MEASURE	UNIT PRICE	AMOUNT
10.00	340.00	500.00	8K2DC2NL	8000 PSI #8 ST AIR/2DC1	CY		
NOTE: CUMULATIVE QUANTITY VALUES MAY NOT REFLECT ACTUAL YARDS ARRIVED ON JOB.							

CON. SAND	1000 Lb	AEA	*1	9.0 oz
STONES	1850 Lb	WRDA		41.0 oz
CEMENT	550 Lb	SUPER		54.6 oz
WATER	*1 31.0 Ga	DCI		256.0 oz

SUB TOTAL  
TAX  
TOTAL

169.10

SLAB 360 Lb

I HEREBY AUTHORIZED THE TRUCK (OR TRUCKS) DELIVERY MATERIAL TO THIS JOB TO LEAVE THE ROAD AND DRIVE ONTO PRIVATE PROPERTY AS I DIRECT. IN MAKING THIS AUTHORIZATION I ASSUME RESPONSIBILITY FOR ANY AND ALL DAMAGE THAT MAY BE DONE TO SAID PRIVATE PROPERTY AND TO ANY OTHER PROPERTY ADJACENT TO SAID PROPERTY THAT MAY BE TRESPASSED ON FOLLOWING MY DIRECTIONS. I FURTHER INDEMNIFY ROCKVILLE FUEL & FEED COMPANY, INC. AND THE DRIVER OF THIS TRUCK (THESE TRUCKS) FROM ANY LIABILITY RESULTING FROM THIS AUTHORIZATION.

Deck pour 1F 330' level btwn x column lines 7A8 and approx C3 to 8  
CUSTOMER ACKNOWLEDGES AND UNDERSTANDS ALL OF TERMS AND CONDITIONS CONTAINED ON BOTH SIDES OF THIS DOCUMENT.

RECEIVED BY: X

CUSTOMER OR AUTHORIZED SIGNATURE

## Silver Spring Transit Center Project

CONCRETE PLACEMENT CHECKLIST / POUR CARDSET #  
502

(10)

PROJECT NUMBER: 16027-0- MDDATE: 12-30-10WEATHER: \_\_\_\_\_ TEMP: Air = 32°  
Concrete = 59°POUR LOCATION: DECK POUR IF 330' ELEVATION BETWEENCOLUMN LINES 6 & 7 and approx C3 to C8MIX DESIGN: 8000 PSI CUBIC YARDS: 470 <sup>cu</sup> <sub>yd</sub> = total placedCONVEYANCE METHOD: PUMP TRUCKPLACEMENT TIME: START: 4:00AM FINISH: 11:00 AM

DELAYS: \_\_\_\_\_

ACTIONS: \_\_\_\_\_

BALTER VERIFICATIONCONCRETE AND REINFORCEMENT

✓

FORMWORK / SHORING

SUB-GRADE FOR SLABS

FOUNDATION BEARING

✓

REINFORCING STEEL

✓

ELEVATED DECK SLAB

DRILLED PIER/SOLDIER PILE

THE ROBERT B. BALTER COMPANY  
Geotechnical Engineers

18 Music Fair Road  
Owings Mills, Maryland 21117

11

COMPRESSIVE STRENGTH TEST SPECIMEN DATA

Project: SST Ctr. Proj. No.: 16027-0-MD Supplier: Rockville Fuel & Feed Co.  
Client: Montgomery Co. Ticket No.: 92307 Truck No.: 61  
Contractor: Facchina Water-Cement Ratio: 0.26  
Sample Location: DECK DOOR IF ELEVATION 330' LEVEL Mix Number: 8K2DC2NL  
BETWEEN COLUMN LINES 6 & 7 and approx. C3 to C8 Mix Design: 8000 PSI  
Method of Placement: Concrete Pump Time Batched: 7:15 AM  
Slump: 8" inches Batch Size: 10 cu yds  
Water added at site? ☐ Yes,        gallons ☒ No Date Molded: 12-30-10 Time: 8:06 AM  
Specimen made by: Brian F. & Tom W. Date Delivered to Lab:         
Concrete Temperature: 60° °F Unit Weight:        PCF ☒ N/A  
Air Content: 6.8% ☐ N/A Weather: SUNNY  
Specimen Set No.: 503 Air Temperature: 32° °F  
Test Req'd: At        Days; 2 At 7 days; 3 At 14 days; Reserved At 28 days;  
Remarks: Revolutions = 250, 2 = 56-day Breaks (Lab Cured), 2 = 3-day Breaks (Field Cured), 2 = 5-day Breaks (Field Cured), 3 = 28-day Breaks (Field Cured)

ROCKVILLE FUEL AND FEED  
PLANT #1 & #2

30 Dec 10  
7:15 AM

Flop Gates... WET  
Batch: 2 of 2

Volume: 10.00 yd<sup>3</sup>  
Truck #s... 61

Mix ID: 8K2DC2NL  
JOSEPH ELLIOTT

Mix Desc: 8000 PSI #8 ST AIR/2DCI  
Ticket # 92307  
FACCHINA CONSTRUCTION CO., INC.  
SILVER SPRING TRANSIT CENTER-750

W/(C+P) Ratio: 0.26

Material	Design	Moist	Target	Actual	Free H2O	Status
CON SAND	1200 Lb	6.1% 0.0%	5325 Lb	5260 Lb	325 Lb	Done
STONEB	1850 Lb	0.5% 0.0%	9296 Lb	9420 Lb	46 Lb	Over
CEMENT	550 Lb	0.0%	2750 Lb	2740 Lb	0 Lb	Done
SLAG	360 Lb	0.0%	1800 Lb	1800 Lb	0 Lb	Done
AEA	*1 9.0 oz	100.0%	23 oz	24 oz	2 Lb	Done
WRDA	41.0 oz	0.0%	205 oz	205 oz	0 Lb	Done
SUPER	54.6 oz	100.0%	273 oz	272 oz	10 Lb	Done
DCI	256.0 oz	100.0%	1280 oz	1312 oz	85 Lb	Done
WATER	*1 31.0 Gal	100.0%	83 Gal	83 Gal	69 Lb	Done

Ice/Batch 0 Lb Water allowed by mix design: 310 Total Water 280  
Moisture compensation water: 103 Water allowed at jobsite: 30 Gal

# Rockville FUEL & FEED COMPANY, INC.

P.O. Box 1707 12-30-10  
Rockville, MD 20849-1707

READY MIXED CONCRETE

## PLANT LOCATIONS:

Rockville, MD  
College Park, MD  
Columbia, MD

CAUTION: FRESHLY MIXED CONCRETE MAY CAUSE SKIN IRRITATION. AVOID DIRECT CONTACT WHERE POSSIBLE AND WASH EXPOSED SKIN AREAS PROMPTLY WITH WATER. IF ANY CONCRETE GETS INTO THE EYE, RINSE IMMEDIATELY AND REPEATEDLY WITH WATER AND GET PROMPT MEDICAL ATTENTION.

KEEP OUT OF REACH OF CHILDREN

301-762-3988  
1-877-847-RMIX

DATE  
30-Dec-10

14 CYL MADE

CUSTOMER # 7572 CUSTOMER NAME RACCHINA CONSTRUCTION CO., INC. PROJECT # 3 PROJECT NAME SILVER SPRING TRANSIT CENTER-750

DELIVERY ADDRESS 8404 COLESVILLE ROAD, SILVER SPR MAP LOT/BLOCK P.O. # CUSTOMER JOB NUMBER

INSTRUCTIONS RVL - E/NORBECK, R/GEORGIA AVE., PASS 1-495, R/16th STREET, L/RT 410 (EAST-WEST HWY), L/COLESVILLE RD TO JOB ON RIGHT. \*\*\* DRUM ROTATION COUNTER MUST BE WORKING \*\*\*

PLANT TRUCK # DRIVER ORDER # TIME DUE  
1 61 JOSEPH ELLIOTT 1 9

LOAD TIME 7:15AM START POUR ADDITIONAL WATER ADDED TO THIS CONCRETE WILL REDUCE ITS STRENGTH. ANY WATER ADDED IS AT CUSTOMER'S RISK. WATER ADDED ON JOB AT CUSTOMER'S REQUEST GAL. WATER ADDED TO THIS LOAD BY AUTHORITY OF X

LOAD QUANTITY	CUMULATIVE QUANTITY	ORDERED QUANTITY	PRODUCT CODE	PRODUCT DESCRIPTION	UNIT OF MEASURE	UNIT PRICE	AMOUNT
10.00	390.00	500.00	AK2DC2NL	8000 PSI #8 ST AIR/2DCI	CY		

NOTE: CUMULATIVE QUANTITY VALUES MAY NOT REFLECT ACTUAL YARDS ARRIVED ON JOB

CON SAND 1000 Lb AEA \*1 9.0 02  
STONE 1850 Lb WRDA 41.0 02  
CEMENT 550 Lb SUPER 54.6 02  
WATER \*1 31.0 Ga DCI 256.0 02

SUB TOTAL  
TAX  
TOTAL

SLAB 360 Lb

I HEREBY AUTHORIZED THE TRUCK (OR TRUCKS) DELIVERY MATERIAL TO THIS JOB TO LEAVE THE ROAD AND DRIVE ONTO PRIVATE PROPERTY AS I DIRECT. IN MAKING THIS AUTHORIZATION I ASSUME RESPONSIBILITY FOR ANY AND ALL DAMAGE THAT MAY BE DONE TO SAID PRIVATE PROPERTY AND TO ANY OTHER PROPERTY ADJACENT TO SAID PROPERTY THAT MAY BE TRESPASSED ON FOLLOWING MY DIRECTIONS. I FURTHER INDEMNIFY ROCKVILLE FUEL & FEED COMPANY, INC. AND THE DRIVER OF THIS TRUCK (THESE TRUCKS) FROM ANY LIABILITY RESULTING FROM THIS AUTHORIZATION.

DECK POUR IF 330' LEVEL BETWEEN COLUMNS x LINES 6A7 and approx C3 to C8

CUSTOMER ACKNOWLEDGES AND UNDERSTANDS ALL OF TERMS AND CONDITIONS CONTAINED ON BOTH SIDES OF THIS DOCUMENT.

RECEIVED BY: X

CUSTOMER OR AUTHORIZED SIGNATURE

## Silver Spring Transit Center Project

CONCRETE PLACEMENT CHECKLIST / POUR CARD

SET #

503

(11)

PROJECT NUMBER: 16027-0- MDDATE: 12-30-10WEATHER: SUNNY TEMP: Air = 32°  
Concrete = 60°POUR LOCATION: DECK POUR IF 330' ELEVATION BETWEENCOLUMN LINES 687 and approx. C3 to C8MIX DESIGN: 8000 PSI CUBIC YARDS: 470 cu yds = total placedCONVEYANCE METHOD: PUMP TRUCKPLACEMENT TIME: START: 4:00AM FINISH: 11:00 AM

DELAYS: \_\_\_\_\_

ACTIONS: \_\_\_\_\_

BALTER VERIFICATIONCONCRETE AND REINFORCEMENT

✓

FORMWORK / SHORING

SUB-GRADE FOR SLABS

FOUNDATION BEARING

✓

REINFORCING STEEL

✓

ELEVATED DECK SLAB

DRILLED PIER/SOLDIER PILE

12

COMPRESSIVE STRENGTH TEST SPECIMEN DATA

Project: SST Ctr Proj. No.: 110027-0-mb Supplier: Rockville Fuel & Feed Co  
Client: Montgomery Co. Ticket No.: 92316 Truck No.: 32  
Contractor: Facchina Water-Cement Ratio: 0.25  
Sample Location: DECK FOUR 1F ELEVATION 330' LEVEL Mix Number: 8K2DC2NL  
BETWEEN COLUMN LINES C01 & C02 and C03 to C08 Mix Design: 8000 PSI  
Method of Placement: Concrete Pump Time Batched: 7:59AM  
Slump: 8" inches Batch Size: 10 cu yds  
Water added at site? ☐ Yes,          gallons ☒ No Date Molded: 12-30-10 Time: 8:51AM  
Specimen made by: Brian F. & Tom W Date Delivered to Lab:           
Concrete Temperature: 64° °F Unit Weight:          PCF ☒ N/A  
Air Content: 6.1% ☐ N/A Weather: SUNNY  
Specimen Set No.: 504 Air Temperature: 33° °F  
Test Req'd: At          Days; 2 At 7 days;          At 14 Days; 3 At 28 Days;          Reserved  
Remarks: Revolutions = 128, 2 = 56-day Breaks (Lab Cured), 2 = 3-day Breaks (Field Cured), 2 = 5-day Breaks (Field Cured), 3 = 28-day Breaks (Field Cured)

ROCKVILLE FUEL AND FEED  
PLANT #1 & #2

30Dec10  
7:59AM

Flop Gate: WET  
Batch: 2 of 2

Volume: 10.00 yd3  
Truck #: 32

Mix ID: 8K2DC2NL  
CHARLES BALLOU

Mix Descr: 8000 PSI #8 ST AIR/2DC1  
Ticket # 92316  
FACCHINA CONSTRUCTION CO., INC.  
SILVER SPRING TRANSIT CENTER-750

W/(C+P) Ratio: 0.25

Material	Design	Moist	Target	Actual	Free H2O	Status
CON SAND	1000 Lb	5.3%	5280 Lb	5260 Lb	280 Lb	Done
STONE8	1850 Lb	0.5%	9296 Lb	9240 Lb	46 Lb	Done
CEMENT	550 Lb	0.0%	2750 Lb	2760 Lb	0 Lb	Done
SLAG	360 Lb	0.0%	1800 Lb	1800 Lb	0 Lb	Done
AEA	*1 9.0 oz	100.0%	23 oz	24 oz	2 Lb	Done
WRDA	41.0 oz	0.0%	205 oz	205 oz	0 Lb	Done
WATER	54.6 oz	100.0%	273 oz	272 oz	18 Lb	Done
	256.0 oz	100.0%	1280 oz	1312 oz	85 Lb	Done
	*1 31.0 Gal	100.0%	89 Gal	89 Gal	741 Lb	Done

Ice/Batch 0 Lb Water allowed by mix design: 310 Total Water 280  
Moisture compensation water: 102 Water allowed at jobsite: 30 Gal



# 44th TRUCK 8000psi **Rockville FUEL & FEED COMPANY, INC.**

P.O. Box 1707 12-30-10  
Rockville, MD 20849-1707

READY MIXED CONCRETE OUT Temp: 33°

## **PLANT LOCATIONS:**

Rockville, MD  
College Park, MD  
Columbia, MD

Can Temp 64°  
Slump = 8"  
Alt = 6.1 1/1

TAKEN @ 8:51 AM

CAUTION: FRESHLY MIXED CONCRETE  
CAUSE SKIN IRRITATION. AVOID DIRECT  
CONTACT WHERE POSSIBLE AND WASH  
EXPOSED SKIN AREAS PROMPTLY WITH  
WATER. IF ANY CONCRETE GETS INTO THE  
EYE, RINSE IMMEDIATELY AND REPEATEDLY  
WITH WATER AND GET PROMPT MEDICAL  
ATTENTION.

KEEP OUT OF REACH OF CHILDREN

301-762-3988  
1-877-847-RMIX

DATE  
30-Dec-10

14 CYL MADE

CUSTOMER # 7572 CUSTOMER NAME FACCHINA CONSTRUCTION CO., INC. PROJECT # 3 PROJECT NAME SILVER SPRING TRANSIT CENTER-750

DELIVERY ADDRESS 8404 COLESVILLE ROAD, SILVER SPR MAP LOT/BLOCK P.O. # CUSTOMER JOB NUMBER

INSTRUCTIONS RVL - E/NORBECK, R/GEORGIA AVE., PASS 1-495, R/16th STREET, L/RT. 410 (EAST-WEST HWY), L/COLESVILLE RD TO JOB ON RIGHT. \*\*\* DRUM ROTATION COUNTER MUST BE WORKING \*\*\*

PLANT 1 TRUCK # 32 DRIVER CHARLES BALLOU ORDER # 1 TIME DUE 08:36

LOAD TIME 7:59 AM START POUR ADDITIONAL WATER ADDED TO THIS CONCRETE WILL REDUCE ITS STRENGTH. ANY WATER ADDED IS AT CUSTOMER'S RISK. WATER ADDED ON JOB AT CUSTOMER'S REQUEST GAL. WATER ADDED TO THIS LOAD BY AUTHORITY OF X

LOAD QUANTITY	CUMULATIVE QUANTITY	ORDERED QUANTITY	PRODUCT CODE	PRODUCT DESCRIPTION	UNIT OF MEASURE	UNIT PRICE	AMOUNT
10.00	440.00	500.00	BR2DC2NL	8000 PSI #8 ST AIR/2DC1	CY		
NOTE: CUMULATIVE QUANTITY VALUES MAY NOT REFLECT ACTUAL YARDS ARRIVED ON JOB.							

CON SAND 1000 Lb AEA \*1 9.0 oz  
STONEA 1850 Lb WRDA 41.0 oz  
CEMENT 550 Lb SUPER 54.6 oz  
WATER \*1 31.0 Ga DCI 256.0 oz  
SLAB 360 Lb

Revs=160

AE=59%

6=cyl.made

Set # 505

9:40 AM

con temp = 65°  
outside temp = 33°  
Slump = 7 1/2"

SUB TOTAL  
TAX  
TOTAL

15 gal = water added

I HEREBY AUTHORIZED THE TRUCK (OR TRUCKS) DELIVERY MATERIAL TO THIS JOB TO LEAVE THE ROAD AND DRIVE ONTO PRIVATE PROPERTY AS I DIRECT. IN MAKING THIS AUTHORIZATION I ASSUME RESPONSIBILITY FOR ANY AND ALL DAMAGE THAT MAY BE DONE TO SAID PRIVATE PROPERTY AND TO ANY OTHER PROPERTY ADJACENT TO SAID PROPERTY THAT MAY BE TRESPASSED ON FOLLOWING MY DIRECTIONS. I FURTHER INDEMNIFY ROCKVILLE FUEL & FEED COMPANY, INC. AND THE DRIVER OF THIS TRUCK (THESE TRUCKS) FROM ANY LIABILITY RESULTING FROM THIS AUTHORIZATION.

DECK POUR 1P 330' LEVEL BETWEEN CAUMPS x LINES

CUSTOMER ACKNOWLEDGES AND UNDERSTANDS ALL OF TERMS AND CONDITIONS CONTAINED ON BOTH SIDES OF THIS DOCUMENT.

RECEIVED BY: X

CUSTOMER OR AUTHORIZED SIGNATURE



## Silver Spring Transit Center Project

CONCRETE PLACEMENT CHECKLIST / POUR CARDSET #  
504

(12)

PROJECT NUMBER: 16027-0- MDDATE: 12-30-10WEATHER: SUNNY TEMP: Air = 33°  
Concrete = 64°POUR LOCATION: DECK POUR IF 330' ELEVATION BETWEEN  
COLUMN LINES 6 & 7 and approx C3 to C8MIX DESIGN: 8000 PSI CUBIC YARDS: 470 cu yds = total placedCONVEYANCE METHOD: PUMP TRUCKPLACEMENT TIME: START: 4:00AM FINISH: 11:00AM

DELAYS: \_\_\_\_\_

ACTIONS: \_\_\_\_\_

BALTER VERIFICATIONCONCRETE AND REINFORCMENT✓

FORMWORK / SHORING

\_\_\_\_\_

SUB-GRADE FOR SLABS

\_\_\_\_\_

FOUNDATION BEARING

✓

REINFORCING STEEL

✓

ELEVATED DECK SLAB

\_\_\_\_\_

DRILLED PIER/SOLDIER PILE

COMPRESSIVE STRENGTH TEST SPECIMEN DATA

Project: SST Ctr. Proj. No.: 16027-0-MD Supplier: Rockville Fuel & Feed Co.  
Client: Montgomery Co. Ticket No.: 92316 Truck No.: 32  
Contractor: Facchina Water-Cement Ratio: .25  
Sample Location: DECK FOUR 1F ELEVATION 330' LEVEL Mix Number: 8K2DC2NL  
BETWEEN COLUMN LINES C27 and C3 to C8 Mix Design: 8000 psi  
Method of Placement: Concrete Pump Time Batched: 7:59 AM  
Slump: 7 1/2 inches Batch Size: 10 cu yds  
Water added at site? ☒ Yes, 15 gallons ☐ No Date Molded: 12-30-10 Time: \_\_\_\_\_  
Specimen made by: Brian F. & Tom W Date Delivered to Lab: \_\_\_\_\_  
Concrete Temperature: 65° °F Unit Weight: \_\_\_\_\_ PCF ☒ N/A  
Air Content: 5.9% ☐ N/A Weather: Sunny  
Specimen Set No.: 505 Air Temperature: 33 °F  
Test Req'd: \_\_\_\_\_ At \_\_\_\_\_ Days; \_\_\_\_\_ At 7 days; \_\_\_\_\_ At 14 days; \_\_\_\_\_ At 28 days; \_\_\_\_\_ Reserved  
Remarks: Revolutions = 2 = 3-day Breaks (Field cured), 2 = 5-day Breaks  
(Field cured), 2 = 28-day Breaks (Field cured) \* note - 6 = extra cylinders made for  
comparison set as per Tim H. (Montg. Co.)

ROCKVILLE FUEL AND FEED  
PLANT #1 & #2

30Dec10  
7:59AM

Flop Gate:.. WET  
Batch:.. 2 of 2

Volume: 10.00 yd3 Mix ID: 8K2DC2NL  
Truck #: 32 CHARLES BALLOU

Mix Desc: 8000 PSI #8 ST AIR/2DC1  
Ticket # 92316  
FACCHINA CONSTRUCTION CO., INC.  
SILVER SPRING TRANSIT CENTER-750

W/(C+P) Ratio: 0.25

Material	Design	Moist	Target	Actual	Free H2O	Status
CON. SAND	1000 Lb	5.3%	5260 Lb	5260 Lb	280 Lb	Done
STONE8	1850 Lb	0.5%	9296 Lb	9240 Lb	46 Lb	Done
CEMENT	550 Lb	0.0%	2750 Lb	2760 Lb	0 Lb	Done
SLAG	360 Lb	0.0%	1800 Lb	1800 Lb	0 Lb	Done
AEA	*1 9.0 oz	100.0%	23 oz	24 oz	2 Lb	Done
WRDA	41.0 oz	0.0%	205 oz	205 oz	0 Lb	Done
SUPER	54.6 oz	100.0%	273 oz	272 oz	10 Lb	Done
PSI	256.0 oz	100.0%	1280 oz	1312 oz	85 Lb	Done
ER	*1 31.0 Gal	100.0%	89 Gal	89 Gal	741 Lb	Done

Ice/Batch 0 Lb Water allowed by mix design: 310 Total Water 280  
Moisture compensation water: 102 Water allowed at jobsite: 30 Gal

# 44th TRUCK 800pm **ROCKVILLE FUEL & FEED COMPANY, INC.**

P.O. Box 1707 1230-10  
Rockville, MD 20849-1707

READY MIXED CONCRETE *OUR Temp: 33°*

## **PLANT LOCATIONS:**

Rockville, MD  
College Park, MD  
Columbia, MD

*CON Temp 64°  
Slump = 8"  
ACI = 6.1-1  
TAKEN @ 8:51 AM*

301-762-3988  
1-877-847-RMIX

CAUTION: FRESHLY MIXED CONCRETE. CAUSE SKIN IRRITATION. AVOID DIRECT CONTACT WHERE POSSIBLE AND WASH EXPOSED SKIN AREAS PROMPTLY WITH WATER. IF ANY CONCRETE GETS INTO THE EYE, RINSE IMMEDIATELY AND REPEATEDLY WITH WATER AND GET PROMPT MEDICAL ATTENTION.

KEEP OUT OF REACH OF CHILDREN

DATE: 30-Dec-10 14CYL MADE

CUSTOMER # 7572 CUSTOMER NAME FACCHINA CONSTRUCTION CO., INC. PROJECT # 3 PROJECT NAME SILVER SPRING TRANSIT CENTER-750

DELIVERY ADDRESS 8404 COLESVILLE ROAD, SILVER SPR MAP LOT/BLOCK P.O. # CUSTOMER JOB NUMBER

INSTRUCTIONS RVL - E/NORBECK, R/GEORGIA AVE., PASS 1-495, R/16th STREET, L/RT. 410 (EAST-WEST HWY), L/COLESVILLE RD TO JOB ON RIGHT. **\*\*\*\* DRUM ROTATION COUNTER MUST BE WORKING \*\*\*\***

PLANT 1 TRUCK # 32 DRIVER CHARLES BALLOU ORDER # 1 TIME DUE 08:36

LOAD TIME 7:59AM START POUR ADDITIONAL WATER ADDED TO THIS CONCRETE WILL REDUCE ITS STRENGTH. ANY WATER ADDED IS AT CUSTOMER'S RISK. WATER ADDED ON JOB AT CUSTOMER'S REQUEST GAL. WATER ADDED TO THIS LOAD BY AUTHORITY OF X

LOAD QUANTITY	CUMULATIVE QUANTITY	ORDERED QUANTITY	PRODUCT CODE	PRODUCT DESCRIPTION	UNIT OF MEASURE	UNIT PRICE	AMOUNT
10.00	440.00	500.00	8K2DC2NL	8000 PSI #8 ST AIR/2DCI	CY		
NOTE: CUMULATIVE QUANTITY VALUES MAY NOT REFLECT ACTUAL YARDS ARRIVED ON JOB.							

CON SAND 1000 LB AEA \*1 9.0 oz  
STONES 1850 LB WRDA 41.0 oz  
CEMENT 550 LB SUPER 54.6 oz  
WATER \*1 31.0 Ga DCI 256.0 oz  
SLAB 360 LB

*Revs=160 Set # 505  
AE=5.9% 9:40 AM (13)  
6-cyl. made  
con. temp = 65°  
outside temp = 33°  
slump = 7 1/2"*

SUB TOTAL  
TAX  
TOTAL

I HEREBY AUTHORIZED THE TRUCK (OR TRUCKS) DELIVERY MATERIAL TO THIS JOB TO LEAVE THE ROAD AND DRIVE ONTO PRIVATE PROPERTY AS I DIRECT. IN MAKING THIS AUTHORIZATION I ASSUME RESPONSIBILITY FOR ANY AND ALL DAMAGE THAT MAY BE DONE TO SAID PRIVATE PROPERTY AND TO ANY OTHER PROPERTY ADJACENT TO SAID PROPERTY THAT MAY BE TRESPASSED ON FOLLOWING MY DIRECTIONS. I FURTHER INDEMNIFY ROCKVILLE FUEL & FEED COMPANY, INC. AND THE DRIVER OF THIS TRUCK (THESE TRUCKS) FROM ANY LIABILITY RESULTING FROM THIS AUTHORIZATION.

Deck pour 1P 330' level between column x lines

CUSTOMER ACKNOWLEDGES AND UNDERSTANDS ALL OF TERMS AND CONDITIONS CONTAINED ON BOTH SIDES OF THIS DOCUMENT.

RECEIVED BY: X

CUSTOMER OR AUTHORIZED SIGNATURE

## Silver Spring Transit Center Project

CONCRETE PLACEMENT CHECKLIST / POUR CARDSET #  
505

(13)

PROJECT NUMBER: 16027-0- MDDATE: 12-30-10

WEATHER: \_\_\_\_\_

Air = 33°  
TEMP: Concrete = 65POUR LOCATION: DECK POUR IF 330' ELEVATION BETWEEN  
COLUMN LINES 6 & 7 and approx. C3 to C8MIX DESIGN: 8000 PSI CUBIC YARDS: 470 <sup>cu</sup> yds = total placed:CONVEYANCE METHOD: PUMP TRUCKPLACEMENT TIME: START: 4:00AM FINISH: 11:00 AM

DELAYS: \_\_\_\_\_

ACTIONS: \_\_\_\_\_

BALTER VERIFICATION✓

\_\_\_\_\_

\_\_\_\_\_

✓✓

\_\_\_\_\_

CONCRETE AND REINFORCEMENT

FORMWORK / SHORING

SUB-GRADE FOR SLABS

FOUNDATION BEARING

REINFORCING STEEL

ELEVATED DECK SLAB

DRILLED PIER/SOLDIER PILE

THE ROBERT B. BALTER COMPANY  
Geotechnical Engineers

18 Music Fair Road  
Owings Mills, Maryland 21117

COMPRESSIVE STRENGTH TEST SPECIMEN DATA

Project: SST CTR Proj. No.: 16027-0-MD Supplier: R.F.F.  
Client: MONTGOMERY COUNTY Ticket No.: 92406 Truck No.: 40  
Contractor: FACCHINA Water-Cement Ratio: 0.28  
Sample Location: SLAB COLUMNS A9-3 AND C1-3 Mix Number: 58K1DCNL  
330' to 350' LEVEL Mix Design: 8000 PSI  
Method of Placement: CRANE / BUCKEY Time Batched: 12:00pm  
Slump: 30" inches (S.C.C. SPREAD) Batch Size: 8 Yds cu yds  
Water added at site? ☐ Yes, \_\_\_\_\_ gallons ☒ No Date Molded: 1-3-11 Time: 12:08pm  
Specimen made by: BRIAN F / TOM W Date Delivered to Lab: \_\_\_\_\_  
Concrete Temperature: 60° °F Unit Weight: \_\_\_\_\_ PCF ☐ N/A  
Air Content: ☒ N/A Weather: SUNNY / WINDY  
Specimen Set No.: 506 Air Temperature: 30° °F  
Test Req'd: \_\_\_\_\_ At \_\_\_\_\_ Days; 1 At 7 days; \_\_\_\_\_ At 14 Days; 2 At 28 Days; 1 Reserved  
Remarks: REVS = 220, 2 = 56 DAYS, VGF = 1

ROCKVILLE FUEL AND FEED  
PLANT #1 & #2

3Jan11  
11:21AM

Flop Gate: WET  
Batch: 1 of 1

Volume: 0.00 yd3  
Truck #: 40

Mix ID: 58K1DCNL  
MIKE GLIDDEN

Mix Desc: 8000 PSI #8ST SCC HR/1DC  
Ticket # 92406  
FACCHINA CONSTRUCTION CO., INC.  
SILVER SPRING TRANSIT CENTER-750

W/(C+P) Ratio: 0.28

Material	Design	Moist	Target	Actual	Free H2O	Status
CON_SAND	1370 Lb	5.0% 0.0%	11537 Lb	11520 Lb	577 Lb	Done
STONEB	1480 Lb	0.5% 0.0%	11899 Lb	11840 Lb	59 Lb	Done
CEMENT	550 Lb	0.0%	4400 Lb	4380 Lb	0 Lb	Done
SLAG	360 Lb	0.0%	2880 Lb	2860 Lb	0 Lb	Done
WRDA	45.5 oz	0.0%	364 oz	363 oz	0 Lb	Done
SUPER	75.0 oz	100.0%	600 oz	600 oz	39 Lb	Done
DCI	128.0 oz	100.0%	1024 oz	1056 oz	69 Lb	Done
WATER	*1 35.0 Gal	100.0%	159 Gal	158 Gal	1316 Lb	Done

Ice/Batch 0 Lb Water allowed by mix design: 280 Total Water 247  
Moisture compensation water: 89 Water allowed at jobsite: 33 Gal

# 1ST TRUCK 8000 PSI **ROCKVILLE FUEL & FEED COMPANY, INC.**

P.O. Box 1707 1-3-11  
Rockville, MD 20849-1707

READY MIXED CONCRETE



REV# = 220

①

AIR TEMP = 30°

CON TEMP = 60°

CAUTION: FRESHLY MIXED CONCRETE MAY CAUSE SKIN IRRITATION. AVOID DIRECT CONTACT WHERE POSSIBLE AND WASH EXPOSED SKIN AREAS PROMPTLY WITH WATER. IF ANY CONCRETE GETS INTO THE EYE, RINSE IMMEDIATELY AND REPEATEDLY WITH WATER AND GET PROMPT MEDICAL ATTENTION.

KEEP OUT OF REACH OF CHILDREN

## **PLANT LOCATIONS:**

Rockville, MD  
College Park, MD  
Columbia, MD

301-762-3988  
1-877-847-RMIX

DATE: 03-Jan-11 6:51 AM 30"-30" TICKET # 92406

CUSTOMER # 7572 CUSTOMER NAME FACCHINA CONSTRUCTION CO., INC. PROJECT # 3 PROJECT NAME SILVER SPRING TRANSIT CENTER-750

DELIVERY ADDRESS 8404 COLESVILLE ROAD, SILVER SPR MAP LOT/BLOCK P.O. # CUSTOMER JOB NUMBER

INSTRUCTIONS: R/L: E/ANDRECK, R/GEORGIA AVE., PASS #495, R/16th STREET, L/RT. 410 (EAST-WEST HWY), L/COLESVILLE RD TO JOB ON RIGHT. SLUMP FLOW  
\*\*\*\* DRUM ROTATION COUNTER MUST BE WORKING \*\*\*\*

PLANT 1 TRUCK # 40 DRIVER MIKE GLIDDEN ORDER # 15 TIME-OUT 12:00

LOAD TIME 11:21 AM START POUR ADDITIONAL WATER ADDED TO THIS CONCRETE WILL REDUCE ITS STRENGTH. ANY WATER ADDED IS AT CUSTOMER'S RISK.  
ARRIVE JOB SITE 12:00 FINISH POUR WATER ADDED ON JOB AT CUSTOMER'S REQUEST GAL.  
WATER ADDED TO THIS LOAD BY AUTHORITY OF X

LOAD QUANTITY	CUMULATIVE QUANTITY	ORDERED QUANTITY	PRODUCT CODE	PRODUCT DESCRIPTION	UNIT OF MEASURE	UNIT PRICE	AMOUNT
8.00	8.00	15.00	SBKIDCNL	8000 PSI #8ST SCC HR/100	CY		
NOTE: CUMULATIVE QUANTITY VALUES MAY NOT REFLECT ACTUAL YARDS ARRIVED ON JOB.							

CON SAND	1370 Lb	WRDA	45.5 oz	SUB TOTAL TAX TOTAL
STONES	1480 Lb	SUPER	75.0 oz	
CEMENT	550 Lb	DCI	128.0 oz	
WATER	*1 35.0 Ga			
SLAG	360 Lb			

I HEREBY AUTHORIZED THE TRUCK (OR TRUCKS) DELIVERY MATERIAL TO THIS JOB TO LEAVE THE ROAD AND DRIVE ONTO PRIVATE PROPERTY AS I DIRECT. IN MAKING THIS AUTHORIZATION I ASSUME RESPONSIBILITY FOR ANY AND ALL DAMAGE THAT MAY BE DONE TO SAID PRIVATE PROPERTY AND TO ANY OTHER PROPERTY ADJACENT TO SAID PROPERTY THAT MAY BE TRESPASSED ON FOLLOWING MY DIRECTIONS. I FURTHER INDEMNIFY ROCKVILLE FUEL & FEED COMPANY, INC. AND THE DRIVER OF THIS TRUCK (THESE TRUCKS) FROM ANY LIABILITY RESULTING FROM THIS AUTHORIZATION.

Scope Column A9-3 AND C1-3 330' to 350' Level X

CUSTOMER ACKNOWLEDGES AND UNDERSTANDS ALL OF TERMS AND CONDITIONS CONTAINED ON BOTH SIDES OF THIS DOCUMENT.

RECEIVED BY: X

CUSTOMER OR AUTHORIZED SIGNATURE

(S.C.C.)

THE ROBERT B. BALTER COMPANY

SET #  
506

# ① Silver Spring Transit Center Project

## CONCRETE PLACEMENT CHECKLIST / POUR CARD

1ST TRUCK

1ST TEST

6 CYL MADE

PROJECT NUMBER: 16027-0- MD

DATE: 1-3-11

WEATHER: SUNNY / WINDY TEMP: Air = 30°  
Concrete = 60°

POUR LOCATION: SLOPE COLUMN A9-3 AND C1-3 330' TO 350' LEVEL

MIX DESIGN: 8000 PSI CUBIC YARDS: 16 cu yds total placed

CONVEYANCE METHOD: CRANE / BUCKET

PLACEMENT TIME: START: 12:22pm FINISH: 1:30pm

DELAYS: \_\_\_\_\_

ACTIONS: \_\_\_\_\_

### BALTER VERIFICATION

✓

\_\_\_\_\_

\_\_\_\_\_

✓

\_\_\_\_\_

\_\_\_\_\_

### CONCRETE AND REINFORCEMENT

FORMWORK / SHORING

SUB-GRADE FOR SLABS

FOUNDATION BEARING

REINFORCING STEEL

ELEVATED DECK SLAB

DRILLED PIER / SOLDIER PILE



1<sup>ST</sup> TRUCK

1<sup>ST</sup> TEST

SET #  
506

6 CYL MADE

# (S.C.C.) Self-Consolidating Concrete Test Results

①

Project Name: SST CTR

Project Job Number: 16027-0-M0

Date: 1-3-11

Truck #: 40

Ticket #: 92406

Mix Designation #: SBK1DCNL (S.C.C.)

Placement Location: SLOPE COLUMN'S A9-3 AND C1-3 330' TO 340' LEVEL

## Slump Flow Test

(ASTM C1611 Standard Test Method for Slump Flow of Self-Consolidating Concrete)

Acceptable Range: 22"-30" Flow

22" 23" 24" 25" 26" 27" 28" 29" 30"

(Record to nearest 1/2 inch)

## Visual Stability Index Test

Acceptable Range: 1-2 (If 3 on first test, retest once)

1<sup>st</sup> test  
0 1 2 3

(Please Circle)

Retest  
0 1 2 3

(Please Circle)

PASS

(Please Circle)

FAIL



THE BALTER COMPANY

Geotechnical and Geo-environmental Engineers  
Construction Materials Testing and Inspection

[www.BALTERco.com](http://www.BALTERco.com)

# Self-Consolidating Concrete Test Results

2ND TRUCK  
NO CPL MADE

Project Name: SST CR

Project Job Number: 16027-0-MD

Date: 1-3-11

Truck #: 68

Ticket #: 92415

Mix Designation #: S8K1DCNL (S.C.C.)

Placement Location: SLOPE COLUMNS A9-3 AND C1-3 330' to 350' LEVEL

## Slump Flow Test

(ASTM C1611 Standard Test Method for Slump Flow of Self-Consolidating Concrete)

Acceptable Range: 22"-30" Flow

22" 23" 24" 25" 26" 27" 28" 29" 30"

(Record to nearest 1/2 inch)

## Visual Stability Index Test

Acceptable Range: 1-2 (If 3 on first test, retest once)

1st test  
0 1 2 3

(Please Circle)

Retest  
0 1 2 3

(Please Circle)

PASS

FAIL

(Please Circle)



THE BALTER COMPANY

Geotechnical and Geo-environmental Engineers  
Construction Materials Testing and Inspection

[www.BALTERco.com](http://www.BALTERco.com)

THE ROBERT B. BALTER COMPANY  
Geotechnical Engineers

18 Music Fair Road  
Owings Mills, Maryland 21117

COMPRESSIVE STRENGTH TEST SPECIMEN DATA

Project: SST Proj. No.: 16027-0-MD Supplier: R.E.F.  
Client: MONTGOMERY COUNTY Ticket No.: 92439 Truck No.: 76  
Contractor: FACCHINA Water-Cement Ratio: 0.27  
Sample Location: COLUMNS A3 AND A4-1.2 330' to 350' Mix Number: 8K1DC2NL  
LEVEL Mix Design: 8000 PSI  
Method of Placement: CRANE/BUCKEY Time Batched: 1:14 PM  
Slump: 8" inches Batch Size: 10 cu yds  
Water added at site? ☐ Yes, \_\_\_\_\_ gallons ☒ No Date Molded: 1-3-10 Time: 2:15 PM  
Specimen made by: BREAN F. / TOM W. Date Delivered to Lab: \_\_\_\_\_  
Concrete Temperature: 60° °F Unit Weight: \_\_\_\_\_ PCF ☐ N/A  
Air Content: 5.4% ☐ N/A Weather: SUNNY / WINDY  
Specimen Set No.: 507 Air Temperature: 36 °F  
Test Req'd: \_\_\_\_\_ At \_\_\_\_\_ Days; 1 At 7 days; \_\_\_\_\_ At 14 Days; 2 At 28 Days; \_\_\_\_\_ Reserved  
Remarks: REVS=126, 2=56 DAYS

ROCKVILLE FUEL AND FEED  
PLANT #1 & #2

3Jan11  
1:14PM

Flop Gate:.. WET  
Batch:.. 2 of 2

Volume:10.00 yd3 Mix ID: 8K1DC2NL  
Truck #:... 76 DON HAWKINS

Mix Descr: 8000 PSI #8 ST AIR/1DC1  
Ticket # 92439  
FACCHINA CONSTRUCTION CO., INC.  
SILVER SPRING TRANSIT CENTER-750

W/(C+P) Ratio: 0.27

Material	Design	Moist	Target	Actual	Free H2O	Status
CON_SAND	1000 Lb	4.9% 0.0%	5258 Lb	5220 Lb	258 Lb	Done
STONES	1850 Lb	0.5% 0.0%	9296 Lb	9320 Lb	46 Lb	Done
CEMENT	550 Lb	0.0%	2750 Lb	2730 Lb	0 Lb	Done
SLAG	360 Lb	0.0%	1800 Lb	1830 Lb	0 Lb	Done
AEA	*1 7.2 oz	100.0%	18 oz	19 oz	1 Lb	Done
WRDA	41.0 oz	0.0%	205 oz	204 oz	0 Lb	Done
SUPER	54.6 oz	100.0%	273 oz	272 oz	18 Lb	Done
DCI	128.0 oz	100.0%	640 oz	672 oz	44 Lb	Done
WATER	*1 32.0 Gal	100.0%	102 Gal	102 Gal	849 Lb	Done

Ice/Batch 0 Lb Water allowed by mix design: 320 Total Water 290  
Moisture compensation water: 80 Water allowed at jobsite: 30 Gal

# Rockville FUEL & FEED COMPANY, INC.

P.O. Box 1707 1-3-10  
Rockville, MD 20849-1707

READY MIXED CONCRETE

## PLANT LOCATIONS:

Rockville, MD  
College Park, MD  
Columbia, MD

CAUTION: FRESHLY MIXED CONCRETE MAY CAUSE SKIN IRRITATION. AVOID DIRECT CONTACT WHERE POSSIBLE AND WASH EXPOSED SKIN AREAS PROMPTLY WITH WATER. IF ANY CONCRETE GETS INTO THE EYE, RINSE IMMEDIATELY AND REPEATEDLY WITH WATER AND GET PROMPT MEDICAL ATTENTION.

KEEP OUT OF REACH OF CHILDREN

301-762-3988  
1-877-847-RMIX

DATE  
03-Jan-11

6 CYL MADE

CUSTOMER #  
7572

CUSTOMER NAME  
FACCHINA CONSTRUCTION CO., INC.

PROJECT #  
3

PROJECT NAME  
SILVER SPRING TRANSIT CENTER-750

DELIVERY ADDRESS:

8404 COLESVILLE ROAD, SILVER SPR

MAP

LOT/BLOCK

P.O. #

CUSTOMER JOB NUMBER

### INSTRUCTIONS

RVL - E/NORBECK, R/GEORGIA AVE., PASS I-495, R/16th STREET,  
L/RT. 410 (EAST-WEST HWY), L/COLESVILLE RD TO JOB ON RIGHT.

\*\*\* DRUM ROTATION COUNTER MUST BE WORKING \*\*\*

USE

SPECIAL

SLUMP

6-8"

PLANT

TRUCK #

DRIVER

DON HAWKINS

ORDER #

16

TIME DUE

14:09

LOAD TIME

1:14PM

START POUR

ADDITIONAL WATER ADDED TO THIS CONCRETE WILL REDUCE ITS STRENGTH.  
ANY WATER ADDED IS AT CUSTOMER'S RISK.

ARRIVE JOB SITE

FINISH POUR

WATER ADDED ON JOB AT CUSTOMER'S REQUEST \_\_\_\_\_ GAL.

WATER ADDED TO THIS LOAD BY AUTHORITY OF X \_\_\_\_\_

LOAD QUANTITY	CUMULATIVE QUANTITY	ORDERED QUANTITY	PRODUCT CODE	PRODUCT DESCRIPTION	UNIT OF MEASURE	UNIT PRICE	AMOUNT
10.00	10.00	20.00	8K1DC2NL	8000 PSI 48 ST AIR/1DC1	CY		
NOTE: CUMULATIVE QUANTITY VALUES MAY NOT REFLECT ACTUAL YARDS ARRIVED ON JOB.							

CON SAND 1000 Lb AEA \*1 7.2 oz  
STONES 1850 Lb WRDA 41.0 oz  
CEMENT 550 Lb SUPER 54.6 oz  
WATER \*1 32.0 Ga DCI 128.0 oz  
SLAG 350 Lb

SUB TOTAL  
TAX  
TOTAL

87.14

I HEREBY AUTHORIZED THE TRUCK (OR TRUCKS) DELIVERY MATERIAL TO THIS JOB TO LEAVE THE ROAD AND DRIVE ONTO PRIVATE PROPERTY AS I DIRECT. IN MAKING THIS AUTHORIZATION I ASSUME RESPONSIBILITY FOR ANY AND ALL DAMAGE THAT MAY BE DONE TO SAID PRIVATE PROPERTY AND TO ANY OTHER PROPERTY ADJACENT TO SAID PROPERTY THAT MAY BE TRESPASSED ON FOLLOWING MY DIRECTIONS. I FURTHER INDEMNIFY ROCKVILLE FUEL & FEED COMPANY, INC. AND THE DRIVER OF THIS TRUCK (THESE TRUCKS) FROM ANY LIABILITY RESULTING FROM THIS AUTHORIZATION.

COLUMNB A3 AND A4-1.2 330' to 350' LEVEL X

CUSTOMER ACKNOWLEDGES AND UNDERSTANDS ALL OF TERMS AND CONDITIONS CONTAINED ON BOTH SIDES OF THIS DOCUMENT.

RECEIVED BY: X

CUSTOMER OR AUTHORIZED SIGNATURE

Set #  
507

## ② Silver Spring Transit Center Project

CONCRETE PLACEMENT CHECKLIST / POUR CARDPROJECT NUMBER: 16027-0- MDDATE: 1-3-10WEATHER: SUNNY / WINDY TEMP: Air = 36°  
Concrete = 60°POUR LOCATION: COLUMNS A3 AND A4 - 1.2 330' to 350' LEVELMIX DESIGN: 8000 PSI CUBIC YARDS: 20 <sup>cu</sup> <sub>yds</sub> total placed toCONVEYANCE METHOD: CRANE / BUCKETPLACEMENT TIME: START: 2:30pm FINISH: 3:30pm

DELAYS: \_\_\_\_\_

ACTIONS: \_\_\_\_\_

BALTER VERIFICATIONCONCRETE AND REINFORCMENT✓

FORMWORK / SHORING

\_\_\_\_\_

SUB-GRADE FOR SLABS

\_\_\_\_\_

FOUNDATION BEARING

✓

REINFORCING STEEL

\_\_\_\_\_

ELEVATED DECK SLAB

\_\_\_\_\_

DRILLED PIER / SOLDIER PILE

Time: 6:50 a.m. - 9:00 a.m.  
 Date: 11/13/2013

AIR DATE: 5/20/00 PW: 4001 OLD: 01/1/00  
Ticket #: 02407  
PICHINA CONSTRUCTION CO., INC.  
SILVER SPRING TRANSIT CENTER - JUNE

Material	Design	Moist		Tar-yo.	Actual	Crea H2O	Status
CON SAND	1370 Lb	5.0%	0.0%	7211 LB	7180 Lb	361 Lb	
STONES	1480 Lb	0.5%	0.0%	7137 LB	7480 Lb	37 Lb	Done
CEMENT	500 Lb	0.0%		2760 Lb	2760 Lb	0 Lb	Done
SLAG	380 Lb	0.0%		1800 Lb	1800 Lb	0 Lb	Done
NRDA	45.3 oz	0.0%		229 oz	227 oz	0 Lb	Done
SUPER	75.0 oz	100.0%		375 oz	372 oz	24 Lb	Done
PCI	120.0 oz	100.0%		690 oz	678 oz	14 Lb	Done
WATER	*1 35.0 Gal	100.0%		104 Gal	103 Gal	874 Lb	Done
Icc/Batch	0 Lb						
Moisture compensation water:							

18 Music Fair Road  
Owings Mills, Maryland 21117

Project: SST CTR Proj. No.: 16027-0-MD  
Client: MONTGOMERY COUNTY  
Contractor: FACCHENA  
Sample Location: SLOPE COLUMN B2 330' to 350' LEVEL

---

Method of Placement CRANE / BUCKET  
Slump: 23" inches (SCC SPREAD)  
Water added at site? ☒ Yes, 29 gallons ☐ No  
Specimen made by: BRIAN F / TOM W  
Concrete Temperature: 65° °F  
Air Content: ☒ N/A  
Specimen Set No.: 508

---

Test Req'd: At Days; 1 At 7 days;  
Remarks: REVS = 241, 2 = 56 DAYS, VST = 0

Supplier: R.F.F.  
Ticket No.: 92489 Truck No.: 79  
Water-Cement Ratio: 0.29  
Mix Number: 5BK1DCNL  
Mix Design: 8000PSI  
Time Batched: 12:14pm  
Batch Size: 8 cu yds  
Date Molded: 1-4-11 Time: 1:29pm  
Date Delivered to Lab: \_\_\_\_\_  
Unit Weight: \_\_\_\_\_ PCF ☒ N/A  
Weather: SUNNY  
Air Temperature: 31° °F  
At 14 Days: 2 At 28 Days: 1 Reserved

# 1st TRUCK 8000 PBI (S.C.C.) Rockville FUEL & FEED COMPANY, INC.

P.O. Box 1707  
Rockville, MD 20849-1707

READY MIXED CONCRETE

### PLANT LOCATIONS:

Rockville, MD  
College Park, MD  
Columbia, MD

CAUTION: FRESHLY MIXED CONCRETE MAY CAUSE SKIN IRRITATION. AVOID DIRECT CONTACT WHERE POSSIBLE AND WASH EXPOSED SKIN AREAS PROMPTLY WITH WATER. IF ANY CONCRETE GETS INTO THE EYE, RINSE IMMEDIATELY AND REPEATEDLY WITH WATER AND GET PROMPT MEDICAL ATTENTION.

KEEP OUT OF REACH OF CHILDREN

301-762-3988

1-877-847-RMIX

DATE

04-Jan-11

6 CYL MADE

16" AND 16"

CUSTOMER #

7572

CUSTOMER NAME

FACCHINA CONSTRUCTION CO., INC.

PROJECT #

3

PROJECT NAME

SILVER SPRING TRANSIT CENTER-750

DELIVERY ADDRESS

8404 COLEVILLE ROAD, SILVER SPR

MAP

LOT/BLOCK

P.O. #

CUSTOMER JOB NUMBER

#### INSTRUCTIONS

AVL - E/NORBECK, R/GEORGIA AVE., PASS I-495, R/16th STREET,  
L/RT. 430 (EAST-WEST HWY), L/COLEVILLE RD TO 300 ON RIGHT.

\*\*\* DRUM ROTATION COUNTER MUST BE WORKING \*\*\*

USE

SPECIAL

SLUMP

FLOW

PLANT

1

TRUCK #

79

DRIVER

DONALD L. PROCTOR

ORDER #

25

TIME DUE

13:00

LOAD TIME

12:14PM

START POUR

ADDITIONAL WATER ADDED TO THIS CONCRETE WILL REDUCE ITS STRENGTH.  
ANY WATER ADDED IS AT CUSTOMER'S RISK.

ARRIVE JOB SITE

13:13

FINISH POUR

WATER ADDED ON JOB AT CUSTOMER'S REQUEST

GAL.

WATER ADDED TO THIS LOAD BY AUTHORITY OF X

LOAD QUANTITY	CUMULATIVE QUANTITY	ORDERED QUANTITY	PRODUCT CODE	PRODUCT DESCRIPTION	UNIT OF MEASURE	UNIT PRICE	AMOUNT
10.00	10.00	12.00	58K10CNL	8000 PBI W8ST SCC HR/100	CY		
<p>NOTE: CUMULATIVE QUANTITY VALUES MAY NOT REFLECT ACTUAL YARDS ARRIVED ON JOB.</p> <p>Dumped 2 yds to prevent spill charge customer for 3 yds only</p>							

CON SAND

1370 Lb

WRDA

45.5 oz

SUB TOTAL

STONE8

1480 Lb

SUPER

75.0 oz

TAX

CEMENT

550 Lb

DCI

128.0 pz

TOTAL

WATER

#1 35.0 Ga

SLAG

360 Lb

I HEREBY AUTHORIZED THE TRUCK (OR TRUCKS) DELIVERY MATERIAL TO THIS JOB TO LEAVE THE ROAD AND DRIVE ONTO PRIVATE PROPERTY AS I DIRECT. IN MAKING THIS AUTHORIZATION I ASSUME RESPONSIBILITY FOR ANY AND ALL DAMAGE THAT MAY BE DONE TO SAID PRIVATE PROPERTY AND TO ANY OTHER PROPERTY ADJACENT TO SAID PROPERTY THAT MAY BE TRESPASSED ON FOLLOWING MY DIRECTIONS. I FURTHER INDEMNIFY ROCKVILLE FUEL & FEED COMPANY, INC. AND THE DRIVER OF THIS TRUCK (THESE TRUCKS) FROM ANY LIABILITY RESULTING FROM THIS AUTHORIZATION.

SLOPE COLUMN B-2 330' 10350' LEVEL

X

CUSTOMER ACKNOWLEDGES AND UNDERSTANDS ALL OF TERMS AND CONDITIONS CONTAINED ON BOTH SIDES OF THIS DOCUMENT.

RECEIVED BY: X

CUSTOMER OR AUTHORIZED SIGNATURE



SET #  
508

1st TRUCK  
1st TEST  
6 CYL MADE

(S.C.C.)

①

# Silver Spring Transit Center Project

## CONCRETE PLACEMENT CHECKLIST / POUR CARD

PROJECT NUMBER: 16027-0- MD

DATE: 1-4-11

WEATHER: SUNNY TEMP: Air = 31°  
Concrete = 65°

POUR LOCATION: SLOPE COLUMN B2 330' to 350' LEVEL

MIX DESIGN: 8000 PSI CUBIC YARDS: 14 cu yds = total placed +

CONVEYANCE METHOD: CRANE / BUCKET

PLACEMENT TIME: START: 1:35 pm FINISH: 2:15 pm

DELAYS: \_\_\_\_\_

ACTIONS: \_\_\_\_\_

### BALTER VERIFICATION

✓

\_\_\_\_\_

\_\_\_\_\_

✓

\_\_\_\_\_

\_\_\_\_\_

### CONCRETE AND REINFORCMENT

FORMWORK / SHORING

SUB-GRADE FOR SLABS

FOUNDATION BEARING

REINFORCING STEEL

ELEVATED DECK SLAB

DRILLED PIER / SOLDIER PILE

1ST TRUCK

1ST TEST

# Self-Consolidating Concrete Test Results

Project Name: SSY CR

Project Job Number: 16027-0-MD

Date: 1-4-11

Truck #: 79

Ticket #: 92489

Mix Designation #: SBK1DCNL (S.C.C.)

Placement Location: SLOPE COLUMN B2 330' to 350' LEVEL

## Slump Flow Test

(ASTM C1611 Standard Test Method for Slump Flow of Self-Consolidating Concrete)

Acceptable Range: 22"-30" Flow

16"

22" 23" 24" 25" 26" 27" 28" 29" 30"

(Record to nearest 1/2 inch)

## Visual Stability Index Test

Acceptable Range: 1-2 (If 3 on first test, retest once)

1st test

0 1 2 3

(Please Circle)

Retest

0 1 2 3

(Please Circle)

1st test Not within required  
22" to 30" (Spread) range  
See attached retest

PASS

FAIL

(Please Circle)



TEST REPORT BY **BALTER COMPANY**

Geotechnical and Geo-environmental Engineers  
Construction Materials Testing and Inspection

[www.BALTERco.com](http://www.BALTERco.com)

2ND TEST  
1ST TRUCK  
6 CYL MAKE

SET #  
508

# (1) Self-Consolidating Concrete Test Results

Project Name: SSR CR

Project Job Number: 16027-0-MD

Date: 1-4-11

Truck #: 79

Ticket #: 92489

Mix Designation #: S8K1DCNL (S.C.C.)

Placement Location: SLOPE COLUMN B2 330' to 350' LEVEL

## Slump Flow Test

(ASTM C1611 Standard Test Method for Slump Flow of Self-Consolidating Concrete)

Acceptable Range: 22"-30" Flow

22" 23" 24" 25" 26" 27" 28" 29" 30"

(Record to nearest 1/2 inch)

## Visual Stability Index Test

Acceptable Range: 1-2 (If 3 on first test, retest once)

1st test  
0 1 2 3

(Please Circle)

Retest  
0 1 2 3

(Please Circle)

29 = gallons water added @ site  
as allowed per batch ticket

PASS

FAIL

(Please Circle)



J. G. BALTER & SONS BALTER COMPANY

Geotechnical and Geo-environmental Engineers  
Construction Materials Testing and Inspection

[www.BALTERco.com](http://www.BALTERco.com)

# Self-Consolidating Concrete Test Results

2ND TRUCK

NO UPL MADE

1st test

Project Name: SST CR

Project Job Number: 16027-0-MD

Date: 1-4-11

Truck #: 68

Ticket #: 92494

Mix Designation #: S8K1DCNL

Placement Location: SLOPE COLUMN B2 330' to 350' LEVEL

## Slump Flow Test

(ASTM C1611 Standard Test Method for Slump Flow of Self-Consolidating Concrete)

Acceptable Range: 22"-30" Flow

22" 23" 24 3/4" 25" 26" 27" 28" 29" 30"

(Record to nearest 1/2 inch)

## Visual Stability Index Test

Acceptable Range: 1-2 (If 3 on first test, retest once)

1st test  
0 1 2 3

(Please Circle)

Retest  
0 1 2 3

(Please Circle)

PASS

FAIL

(Please Circle)



DESIGNED BY **BALTER COMPANY**

Geotechnical and Geo-environmental Engineers  
Construction Materials Testing and Inspection

[www.BALTERco.com](http://www.BALTERco.com)

BUCKVILLE TUEL 6000 LEAD  
MATERIAL 1.04

60Jan11  
2:47PM

Temp Water: 46.1  
Barometer: 30.07

Volume: 16.00 yds  
Track Bill: 40

Mix: 174 BRIDGE  
MICHAEL REEDMAN

Mix Design: 8000 PSI 16 ST AIR/100  
Ticket # 92504  
FACCHIA CONSTRUCTION CO., INC.  
SILVER SPRING INDEPENDENT CENTER-750

W/C Ratio: 0.27

Material	Design	Moist	Target	Actual	Free H <sub>2</sub> O	Status
CON SAND	1000 Lb	5.1%	5263 Lb	5260 Lb	260 Lb	Done
STONES	1800 Lb	0.5%	9296 Lb	9250 Lb	46 Lb	Done
CEMENT	500 Lb	4.0%	2750 Lb	2740 Lb	0 Lb	Done
SLAG	350 Lb	0.0%	1800 Lb	1810 Lb	0 Lb	Done
AIR	7.2 oz	100.0%	10 oz	10 oz	1 Lb	Done
WADA	41.0 oz	0.0%	205 oz	204 oz	0 Lb	Done
SUPER	24.5 oz	100.0%	271 oz	272 oz	10 Lb	Done
CEL	128.0 oz	100.0%	640 oz	572 oz	44 Lb	Done
WATER	32.0 Gal	100.0%	100 Gal	101 Gal	341 Lb	Done

Ice/Batch 0 Lb Water allowed by min design: 320 Total Water 292  
Moisture compensation water: 01 Water allowed at jobsite: 48 Gal

**THE ROBERT B. BALTER COMPANY**  
Geotechnical Engineers

18 Music Fair Road  
Owings Mills, Maryland 21117

**COMPRESSIVE STRENGTH TEST SPECIMEN DATA**

Project: 551 CTR Proj. No.: 16027-0-M0  
Client: MONTGOMERY COUNTY  
Contractor: FACCHIA  
Sample Location: COLUMN A2 330'  
TO 350' LEVEL  
Method of Placement: CRANE /BUCKET  
Slump: 7.5" inches  
Water added at site? ☐ Yes, \_\_\_\_\_ gallons ☒ No  
Specimen made by: BRIAN F. / TOM W.  
Concrete Temperature: 67° °F  
Air Content: 6.2% ☐ N/A  
Specimen Set No.: 509  
Test Req'd: At Days; 1 At 7 days;  
Remarks: REV3= 190 , 2= 56 DAYS

Supplier: R.F.F.  
Ticket No.: 92504 Truck No.: 82  
Water-Cement Ratio: 0.27  
Mix Number: 8K1DC2NL  
Mix Design: 8000PSI  
Time Batched: 2:07pm  
Batch Size: 10 cu yds  
Date Molded: 1-4-11 Time: 3:15pm  
Date Delivered to Lab: \_\_\_\_\_  
Unit Weight: \_\_\_\_\_ PCF ☒ N/A  
Weather: SUNNY  
Air Temperature: 40° °F  
At 14 Days: 2 At 28 Days: 1 Reserved

# 135 TRUCK 8000PSI 350 3:15pm SET# 509 REV-190 air temp 40° CAUTION: FRESHLY MIXED CONCRETE MAY CAUSE SKIN IRRITATION. AVOID DIRECT CONTACT WHERE POSSIBLE AND WASH EXPOSED SKIN AREAS PROMPTLY WITH WATER. IF ANY CONCRETE GETS INTO THE EYE, RINSE IMMEDIATELY AND REPEATEDLY WITH WATER AND GET PROMPT MEDICAL ATTENTION. KEEP OUT OF REACH OF CHILDREN 301-762-3988 1-877-847-RMIX

P.O. Box 1707 1-4-11  
Rockville, MD 20849-1707

READY MIXED CONCRETE

PLANT LOCATIONS:  
Rockville, MD  
College Park, MD  
Columbia, MD

DATE 04-Jan-11	CUSTOMER # 7572	CUSTOMER NAME FACCHINA CONSTRUCTION CO., INC.	PROJECT # 2	PROJECT NAME SILVER SPRING TRANSIT CENTER 750
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DELIVERY ADDRESS 8404 COLESVILLE ROAD, SILVER SPR	MAP	LOT/BLOCK	P.O. #	CUSTOMER JOB NUMBER
--	-----	-----------	--------	---------------------

INSTRUCTIONS RVL E/NORBECK, R/GEORGIA AVE. PASS 1-425, R/15th STREET, L/R 410 (EAST-WEST HWY), L/COLESVILLE RD TO 100 ON RIGHT. *** DRUM ROTATION COUNTER MUST BE WORKING ***	USE SPECIAL
---	----------------

PLANT 1	TRUCK # 82	DRIVER MIGUEL ESCOBAR	ORDER # 26	TIME DUE
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LOAD TIME 2:07PM	START POUR	ADDITIONAL WATER ADDED TO THIS CONCRETE WILL REDUCE ITS STRENGTH. ANY WATER ADDED IS AT CUSTOMER'S RISK.
ARRIVE JOB SITE 250	FINISH POUR	WATER ADDED ON JOB AT CUSTOMER'S REQUEST _____ GAL.
WATER ADDED TO THIS LOAD BY AUTHORITY OF X _____		

LOAD QUANTITY	CUMULATIVE QUANTITY	ORDERED QUANTITY	PRODUCT CODE	PRODUCT DESCRIPTION	UNIT OF MEASURE	UNIT PRICE	AMOUNT
10.00	10.00	10.00	AK1002M	8000 PSI #4 ST AIR/DCI	CY		
NOTE: CUMULATIVE QUANTITY VALUES MAY NOT REFLECT ACTUAL YARDS ARRIVED ON JOB.							

CON. SAND	1000 Lb	AEA	*1	7.2 oz	SUB TOTAL TAX TOTAL	87.15
STONES	1850 Lb	WRDA		41.0 oz		
CEMENT	550 Lb	SUPER		54.6 oz		
WATER	*1 32.0 Ga	DCI		128.0 oz		
SLAB	360 Lb					

I HEREBY AUTHORIZED THE TRUCK (OR TRUCKS) DELIVERY MATERIAL TO THIS JOB TO LEAVE THE ROAD AND DRIVE ONTO PRIVATE PROPERTY AS I DIRECT. IN MAKING THIS AUTHORIZATION I ASSUME RESPONSIBILITY FOR ANY AND ALL DAMAGE THAT MAY BE DONE TO SAID PRIVATE PROPERTY AND TO ANY OTHER PROPERTY ADJACENT TO SAID PROPERTY THAT MAY BE TRESPASSED ON FOLLOWING MY DIRECTIONS. I FURTHER INDEMNIFY ROCKVILLE FUEL & FEED COMPANY, INC. AND THE DRIVER OF THIS TRUCK (THESE TRUCKS) FROM ANY LIABILITY RESULTING FROM THIS AUTHORIZATION.

Column A2 330' to 350' LEVEL

X

CUSTOMER ACKNOWLEDGES AND UNDERSTANDS ALL OF TERMS AND CONDITIONS CONTAINED ON BOTH SIDES OF THIS DOCUMENT.

RECEIVED BY: X

CUSTOMER OR AUTHORIZED SIGNATURE

Set #  
509

2

PROJECT NUMBER: 16027-0 MD

DATE: 1-4-11

WEATHER: SUNNY TEMP: Air = 40°  
Concrete = 67°

POUR LOCATION: column A2 330' to  
350' LEVEL

MIX DESIGN: 8000 PSI CUBIC YARDS: 10<sup>Cu</sup> yds = total placed to

CONVEYANCE METHOD: CRANE / BUCKET

PLACEMENT TIME: START: 3:00 pm FINISH: 4:05 pm

DELAYS: \_\_\_\_\_

ACTIONS: \_\_\_\_\_

## CONCRETE AND REINFORCEMENT

✓

## FORMWORK / SHORING

[illegible]

SUB-GRADE FOR SLABS

doi:10.1371/journal.pone.0142402.g002

FOUNDATION BEARING

✓

## REINFORCING STEEL

For more information, please contact: **SAJ Admissions & Support**, email: [saj.admissions@sa.gov.au](mailto:saj.admissions@sa.gov.au) or [+61 8 8343 8300](tel:+61883438300).

ELEVATED DECK SLAB

\_\_\_\_\_

DRILLED PIER/SOLDIER PILE



ADDITIONAL FUEL AND FORD  
COSTS AT 2.30

Stand  
1011001

Stop, Ball, JMS  
1011001

CONCRETE MIX 4000 PSI  
1750 LB

MIX 4000 PSI  
1750 LB

4000 PSI W/AIR/WR/DCI  
1750 LB

W/AIR/WR/DCI

FACCHINO CONSTRUCTION CO., INC.  
SILVER SPRING MARKET CENTER-700

Material	Design	Relief	Target	Actual	Free H&O	Status
CON_BAPO	1166 LB	0.0%	13274 LB	12220 LB	614 LB	Done
STONE	1750 LB	0.0%	17500 LB	17600 LB	100 LB	Done
CEMENT	423 LB	0.0%	4230 LB	4230 LB	0 LB	Done
SLAB	282 LB	0.0%	2820 LB	2610 LB	0 LB	Done
AIR	6.0 oz	100.0%	30 oz	30 oz	2 LB	Done
DCI	122.0 oz	100.0%	1200 oz	1312 oz	85 LB	Done
WRDA	21.0 oz	0.0%	210 oz	210 oz	0 LB	Done
WATER	*1 32.2 Gal	100.0%	206 Gal	206 Gal	1710 LB	Done

Ice/Deitch 0 LB Water allowed by mix design: 33% Total Water 30%  
Moisture compensation water: 96 Water allowed at job site: 30 Gal

**THE ROBERT B. BALTER COMPANY**  
Geotechnical Engineers

18 Music Fair Road  
Owings Mills, Maryland 21117

**COMPRESSIVE STRENGTH TEST SPECIMEN DATA**

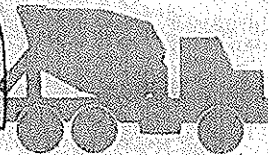
Project: SST CTR Proj. No.: 16027-0-MD  
Client: MONTGOMERY COUNTY  
Contractor: FACCHINO  
Sample Location: PARAPET WALL BETWEEN COLUMN  
LINE 6 TO 9 350' LEVEL ON "A" LINE  
Method of Placement: CRANE / BUCKET  
Slump: 5" inches  
Water added at site? ☐ Yes, \_\_\_\_\_ gallons ☒ No  
Specimen made by: BRIAN F / Tom W  
Concrete Temperature: 65° °F  
Air Content: 5% ☐ N/A  
Specimen Set No.: 510  
Test Req'd: At \_\_\_\_\_ Days; 1 At 7 days;  
Remarks: REV 6 = 123, 2 = 56 DAYS

Supplier: R.F.F.  
Ticket No.: 92532 Truck No.: 81  
Water-Cement Ratio: 0.36  
Mix Number: 45K1D2N  
Mix Design: 4500 P&E  
Time Batched: 10:19 AM  
Batch Size: 10 cu yds  
Date Molded: 1-5-11 Time: 11:19 AM  
Date Delivered to Lab: \_\_\_\_\_  
Unit Weight: \_\_\_\_\_ PCF ☒ N/A  
Weather: SUNNY  
Air Temperature: 36° °F  
At 14 Days: 2 At 28 Days: 1 Reserved

# 1<sup>ST</sup> TRUCK 8000 PSI **Rockville FUEL & FEED COMPANY, INC.**

P.O. Box 1707 | 5-11  
Rockville, MD 20849-1707

Set #  
510



REV# = 123

READY MIXED CONCRETE

OUT TEMP 36  
CON TEMP = 65°  
SLUMP = 5"  
AIR = 9%

CAUTION: FRESHLY MIXED CONCRETE MAY CAUSE SKIN IRRITATION. AVOID DIRECT CONTACT WHERE POSSIBLE AND WASH EXPOSED SKIN AREAS PROMPTLY WITH WATER. IF ANY CONCRETE GETS INTO THE EYE, RINSE IMMEDIATELY AND REPEATEDLY WITH WATER AND GET PROMPT MEDICAL ATTENTION.

KEEP OUT OF REACH OF CHILDREN

301-762-3988  
1-877-847-RMIX

1

## **PLANT LOCATIONS:**

Rockville, MD  
College Park, MD  
Columbia, MD

TAKEN @ 11:19 AM

DATE 05-Jan-1	6 CYL MADE	TICKET # 9
------------------	------------	---------------

CUSTOMER # 572	CUSTOMER NAME FACCHINA CONSTRUCTION CO., INC.	PROJECT # 3	PROJECT NAME 1 ER SPR NG TRANSIT CENTER-750
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DELIVERY ADDRESS 8404 COLESVILLE ROAD, SILVER SPR	MAP	LOT/BLOCK	P.O. #	CUSTOMER JOB NUMBER
--	-----	-----------	--------	---------------------

INSTRUCTIONS RV E R B A PASS I 495, R/16th STRE T L/RT 410 E S WEST W L/C SVILLE RD TO JOB ON RIGHT. **** M RDT CO N MUST BE WORKING ****	USE SLAB
--	-------------

PLANT 1	TRUCK # 8	DRIVER KE S	ORDER # 9	TIME DUE 11:2
------------	--------------	----------------	--------------	------------------

LOAD TIME 13AM	START POUR	ADDITIONAL WATER ADDED TO THIS CONCRETE WILL REDUCE ITS STRENGTH. ANY WATER ADDED IS AT CUSTOMER'S RISK.
ARRIVE JOB SITE 11:01	FINISH POUR	WATER ADDED ON JOB AT CUSTOMER'S REQUEST _____ GAL.
		WATER ADDED TO THIS LOAD BY AUTHORITY OF X _____

LOAD QUANTITY	CUMULATIVE QUANTITY	ORDERED QUANTITY	PRODUCT CODE	PRODUCT DESCRIPTION	UNIT OF MEASURE	UNIT PRICE	AMOUNT
10.00	10.00	24.00	*45K102N	4500 PSI W/AIR/WR/1DCI	CY		
NOTE: CUMULATIVE QUANTITY VALUES MAY NOT REFLECT ACTUAL YARDS ARRIVED ON JOB.							

CON. SAND	1165 Lb	AEA	*1	6.0 02	SUB TOTAL TAX TOTAL
STONE	1750 Lb	BGT		128.0 02	
CEMENT	423 Lb	WRDA		21.0 02	
WATER	*1 33.2 Ga				
SLAG	282 Lb				

I HEREBY AUTHORIZED THE TRUCK (OR TRUCKS) DELIVERY MATERIAL TO THIS JOB TO LEAVE THE ROAD AND DRIVE ONTO PRIVATE PROPERTY AS I DIRECT. IN MAKING THIS AUTHORIZATION I ASSUME RESPONSIBILITY FOR ANY AND ALL DAMAGE THAT MAY BE DONE TO SAID PRIVATE PROPERTY AND TO ANY OTHER PROPERTY ADJACENT TO SAID PROPERTY THAT MAY BE TRESPASSED ON FOLLOWING MY DIRECTIONS. I FURTHER INDEMNIFY ROCKVILLE FUEL & FEED COMPANY, INC. AND THE DRIVER OF THIS TRUCK (THESE TRUCKS) FROM ANY LIABILITY RESULTING FROM THIS AUTHORIZATION.

PARADEY WALL BETWEEN COLUMNS LINES 6109 x 350' LEVEL ON "A" LINE

CUSTOMER ACKNOWLEDGES AND UNDERSTANDS ALL OF TERMS AND CONDITIONS CONTAINED ON BOTH SIDES OF THIS DOCUMENT.

RECEIVED BY: X

CUSTOMER OR AUTHORIZED SIGNATURE

SET #  
510

## Silver Spring Transit Center Project

(1)

CONCRETE PLACEMENT CHECKLIST / POUR CARDPROJECT NUMBER: 16027-0- MDDATE: 1-5-11WEATHER: SUNNY TEMP: Air = 36°  
Concrete = 65°POUR LOCATION: PARADEY WALL BETWEEN COLUMNS 6 TO 9  
350' LEVEL ON "A" LINEMIX DESIGN: 4500 PSI CUBIC YARDS: 24<sup>cu</sup> yds = total placedCONVEYANCE METHOD: CRANE / BUCKETPLACEMENT TIME: START: 11:19 AM FINISH: 1:10 PM

DELAYS: \_\_\_\_\_

ACTIONS: \_\_\_\_\_

BALTER VERIFICATION✓  
\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

✓  
\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

CONCRETE AND REINFORCEMENT

FORMWORK / SHORING

SUB-GRADE FOR SLABS

FOUNDATION BEARING

REINFORCING STEEL

ELEVATED DECK SLAB

DRILLED PIER/SOLDIER PILE

ROCKVILLE FUEL AND FUEL  
PLANT #1 & #2

5/24/11  
11:05PM

Filep Sat... WE  
Balance... of

Volume: 17.00 yds  
Truck #1... 74  
Mix ID: BK1002NL  
CON BUCKHILL

Mix Design: 8000 PSI #8 BT AIR/1001  
Ticket # 92544  
FACCHINA CONSTRUCTION CO., INC.  
SILVER SPRING TRANSIT CENTER-750

W/C Ratio: 0.27

Material	Design	Moist	Target	Actual	Free H <sub>2</sub> O	Status
CON. SAND	1000 Lb	4.9%	9258 Lb	9280 Lb	230 Lb	Done
STONES	1500 Lb	0.3%	9296 Lb	9280 Lb	46 Lb	Done
CEMENT	350 Lb	0.0%	2750 Lb	2772 Lb	0 Lb	Done
SLAG	350 Lb	0.0%	1820 Lb	1820 Lb	0 Lb	Done
SEA	*1 7.2 oz	100.0%	18 oz	18 oz	1 Lb	Done
WRDA	41.0 oz	0.0%	205 oz	205 oz	0 Lb	Done
SUPER	34.6 oz	100.0%	273 oz	272 oz	10 Lb	Done
DCI	129.0 oz	100.0%	640 oz	672 oz	44 Lb	Done
WATER	*1 32.0 Gal	100.0%	102 Gal	103 Gal	850 Lb	Done

Inc/Datch 0 Lb Water allowed by mix design: 320 Total Water 230  
Moisture compensation water: 88 Water allowed at jobsite: 28 Gal

THE ROBERT B. BALTER COMPANY  
Geotechnical Engineers

(2)

18 Music Fair Road  
Owings Mills, Maryland 21117

### COMPRESSIVE STRENGTH TEST SPECIMEN DATA

Project: SST CTR Proj. No.: 16027.0-MD  
Client: MONTGOMERY COUNTY  
Contractor: FACCHINA  
Sample Location: COLUMN A9-1.1 330' to 350' LEVEL

Supplier: R.F.F.  
Ticket No.: 92544 Truck No.: 74  
Water-Cement Ratio: 0.27  
Mix Number: BK1002NL  
Mix Design: 8000 PSI  
Time Batched: 12:05pm  
Batch Size: 10 cu yds  
Date Molded: 1-5-11 Time: 1:14pm  
Date Delivered to Lab: \_\_\_\_\_  
Unit Weight: \_\_\_\_\_ PCF ☒ N/A  
Weather: SLIMY  
Air Temperature: 37° °F  
At 14 Days: 2 At 28 Days: 1 Reserved

Method of Placement: CRANE / BUCKEY  
Slump: 6" inches  
Water added at site? ☐ Yes, \_\_\_\_\_ gallons ☒ No  
Specimen made by: BREAN F / Tom W  
Concrete Temperature: 65° °F  
Air Content: 4.9% ☐ N/A  
Specimen Set No.: 511  
Test Req'd: \_\_\_\_\_ At \_\_\_\_\_ Days; 1 At 7 days;  
Remarks: REV# 48, 2 = 56 DAYS

# *1 TRUCK 8000 PSI* **Rockville FUEL & FEED COMPANY, INC.**

P.O. Box 1707 1-5-11  
 Rockville, MD 20849-1707

READY MIXED CONCRETE

## **PLANT LOCATIONS:**

Rockville, MD  
 College Park, MD  
 Columbia, MD

Rev-48

out temp = 37°  
 con temp = 65  
 slump = 6"  
 air = 4.9%  
 Taken @ 1:14pm

CAUTION: FRESHLY MIXED CONCRETE MAY  
 CAUSE SKIN IRRITATION. AVOID DIRECT  
 CONTACT WHERE POSSIBLE AND WASH  
 EXPOSED SKIN AREAS PROMPTLY WITH  
 WATER. IF ANY CONCRETE GETS INTO THE  
 EYE, RINSE IMMEDIATELY AND REPEATEDLY  
 WITH WATER AND GET PROMPT MEDICAL  
 ATTENTION.

KEEP OUT OF REACH OF CHILDREN

301-762-3988  
 1-877-847-RMIX

DATE

05-Jan-11

10 CYL MADE

CUSTOMER #

7572

CUSTOMER NAME

FACCHINA CONSTRUCTION CO., INC.

PROJECT #

3

PROJECT NAME

SILVER SPRING TRANSIT CENTER-750

DELIVERY ADDRESS

8404 COLEVILLE ROAD, SILVER SPR

MAP

LOT/BLOCK

P.O. #

CUSTOMER JOB NUMBER

INSTRUCTIONS

RVL - E/NORBECK, R/GEORGIA AVE., PASS I-495, R/16th STREET,  
 L/RT. 410 (EAST-WEST HWY), L/COLEVILLE RD TO JOB ON RIGHT.

\*\*\* DRUM ROTATION COUNTER MUST BE WORKING \*\*\*

USE

SPECIAL

SLUMP

6-8"

PLANT

TRUCK #

DRIVER

ORDER #

TIME DUE

1:30:00

LOAD TIME

12:05PM

START POUR

ADDITIONAL WATER ADDED TO THIS CONCRETE WILL REDUCE ITS STRENGTH.  
 ANY WATER ADDED IS AT CUSTOMER'S RISK.

ARRIVE JOB SITE

FINISH POUR

WATER ADDED ON JOB AT CUSTOMER'S REQUEST

GAL.

WATER ADDED TO THIS LOAD BY AUTHORITY OF X

LOAD QUANTITY	CUMULATIVE QUANTITY	ORDERED QUANTITY	PRODUCT CODE	PRODUCT DESCRIPTION	UNIT OF MEASURE	UNIT PRICE	AMOUNT
10.00	10.00	10.00	RM10C2NL	8000 PSI #8 ST AIR/10C1	CY		
NOTE: CUMULATIVE QUANTITY VALUES MAY NOT REFLECT ACTUAL YARDS ARRIVED ON JOB.							

CON SAND 1000 Lb AEA #1 7.2 oz  
 STONEB 1850 Lb WRDA 41.0 oz  
 CEMENT 550 Lb SUPER 54.6 oz  
 WATER #1 32.0 Ga DCI 128.0 oz

SUB TOTAL  
 TAX  
 TOTAL

87.11

SLAG 360 Lb

I HEREBY AUTHORIZED THE TRUCK (OR TRUCKS) DELIVERY MATERIAL TO THIS JOB TO LEAVE THE ROAD AND DRIVE ONTO PRIVATE PROPERTY AS I DIRECT. IN MAKING THIS  
 AUTHORIZATION I ASSUME RESPONSIBILITY FOR ANY AND ALL DAMAGE THAT MAY BE DONE TO SAID PRIVATE PROPERTY AND TO ANY OTHER PROPERTY ADJACENT TO  
 SAID PROPERTY THAT MAY BE TRESPASSED ON FOLLOWING MY DIRECTIONS. I FURTHER INDEMNIFY ROCKVILLE FUEL & FEED COMPANY, INC. AND THE DRIVER OF THIS  
 TRUCK (THESE TRUCKS) FROM ANY LIABILITY RESULTING FROM THIS AUTHORIZATION.

Column A9-1.1 332' to 350' LEVEL

X

CUSTOMER ACKNOWLEDGES AND UNDERSTANDS ALL OF TERMS AND CONDITIONS CONTAINED ON BOTH SIDES OF THIS DOCUMENT.

RECEIVED BY: X

CUSTOMER OR AUTHORIZED SIGNATURE

Set #  
511

## ② Silver Spring Transit Center Project

CONCRETE PLACEMENT CHECKLIST / POUR CARDPROJECT NUMBER: 16027-0- MDDATE: 1-5-11WEATHER: SUNNY TEMP: Air = 37°  
Concrete = 65°POUR LOCATION: COLUMN A9-1.1 330' to 350' LEVELMIX DESIGN: 8000 PSI CUBIC YARDS: 10 <sup>cu</sup> yds = total placed toCONVEYANCE METHOD: CRANE / BUCKETPLACEMENT TIME: START: 1:22pm FINISH: 1:45pm

DELAYS: \_\_\_\_\_

ACTIONS: \_\_\_\_\_

BALTER VERIFICATION✓

\_\_\_\_\_

\_\_\_\_\_

✓

\_\_\_\_\_

\_\_\_\_\_

CONCRETE AND REINFORCMENT

FORMWORK / SHORING

SUB-GRADE FOR SLABS

FOUNDATION BEARING

REINFORCING STEEL

ELEVATED DECK SLAB

DRILLED PIER/SOLDIER PILE

①

# COMPRESSIVE STRENGTH TEST SPECIMEN DATA

Project: SST CTR Proj. No.: 16027-0-MD Supplier: R.F.F.  
Client: MONTGOMERY COUNTY Ticket No.: 92665 Truck No.: 67  
Contractor: FACCHINA Water-Cement Ratio: 0.26  
Sample Location: STAIRWAY #4 330' LEVEL TO LANDFILL Mix Number: 8K2DC2NL  
SLAB AND NORTH AND WEST COLUMNS Mix Design: 8000PSI  
Method of Placement: CRANE / BUCKET Time Batched: 10:31 AM  
Slump: 6" inches Batch Size: 10 cu yds  
Water added at site? ☐ Yes,        gallons ☒ No Date Molded: 1-7-11 Time: 11:20 AM  
Specimen made by: BRYAN F / TOM W Date Delivered to Lab:         
Concrete Temperature: 61° °F Unit Weight:        PCF ☒ N/A  
Air Content: 5.0% ☐ N/A Weather: CLOUDY  
Specimen Set No.: 512 Air Temperature: 32° °F  
Test Req'd: At Days; 1 At 7 days; At 14 Days; 2 At 28 Days; 1 Reserved  
Remarks: REVS = 107, 2 = 56 DAYS

ROCKVILLE FUEL AND FEED  
PLANT #1 & #2

7Jan11  
10:31AM

Flop Gate:.. WET  
Batch:.. 2 of 2

Volume: 10.00 yd3 Mix ID: 8K2DC2NL  
Truck #: 67 TOMMIE TONLINSO

Mix Desc: 8000 PSI #8 ST AIR/2DCI  
Ticket # 92665  
FACCHINA CONSTRUCTION CO., INC.  
SILVER SPRING TRANSIT CENTER-750

W/(C+P) Ratio: 0.26

Material	Design	Moist	Target	Actual	Free H2O	Status
CON SAND	1000 Lb	4.7% 0.0%	5247 Lb	5230 Lb	247 Lb	Done
STONE8	1850 Lb	0.5% 0.0%	9296 Lb	9280 Lb	46 Lb	Done
CEMENT	550 Lb	0.0%	2750 Lb	2740 Lb	0 Lb	Done
SLAG	360 Lb	0.0%	1800 Lb	1810 Lb	0 Lb	Done
AEA	*1 9.0 oz	100.0%	23 oz	24 oz	2 Lb	Done
WRDA	41.0 oz	0.0%	205 oz	205 oz	0 Lb	Done
SUPER	54.6 oz	100.0%	273 oz	272 oz	18 Lb	Done
DCI	256.0 oz	100.0%	1280 oz	1312 oz	85 Lb	Done
WATER	*1 31.0 Gal	100.0%	93 Gal	95 Gal	791 Lb	Done

Ice/Batch 0 Lb Water allowed by mix design: 310 Total Water 283  
Moisture compensation water: 97 Water allowed at jobsite: 27 Gal



181 TRUCK 8200  
**Rockville  
FUEL &  
FEED COMPANY, INC.**

P.O. Box 1707 1-7-11  
Rockville, MD 20849-1707

512



READY MIXED CONCRETE

REV# 107

out temp = 32°  
con temp = 61°

ARE = 5.0%

TAKEN @ 11:20 AM

CAUTION: FRESHLY MIXED CONCRETE MAY CAUSE SKIN IRRITATION. AVOID DIRECT CONTACT WHERE POSSIBLE AND WASH EXPOSED SKIN AREAS PROMPTLY WITH WATER. IF ANY CONCRETE GETS INTO THE EYE, RINSE IMMEDIATELY AND REPEATEDLY WITH WATER AND GET PROMPT MEDICAL ATTENTION.

KEEP OUT OF REACH OF CHILDREN

**PLANT LOCATIONS:**

Rockville, MD  
College Park, MD  
Columbia, MD

301-762-3988  
1-877-847-RMIX

DATE

07-Jan-11

6 CYL MADE

CUSTOMER #

7572

CUSTOMER NAME

FACCHINA CONSTRUCTION CO., INC.

PROJECT #

3

PROJECT NAME

SILVER SPRING TRANSIT CENTER-750

DELIVERY ADDRESS

8404 COLESVILLE ROAD, SILVER SPR

MAP

LOT/BLOCK

P.O. #

CUSTOMER JOB NUMBER

**INSTRUCTIONS**

R/L - E/NORBECK, R/GEORGIA AVE., PASS 1-495, R/16th STREET,  
L/RT, A10 (EAST-WEST HWY), L/COLESVILLE RD TO JOB ON RIGHT.

\*\*\*\* DRUM ROTATION COUNTER MUST BE WORKING \*\*\*\*

USE

STEP

SLUMP

5

PLANT

1

TRUCK #

107

DRIVER

TOMMIE TONLINSON

ORDER #

11

TIME DUE

11:05

LOAD TIME

10:31 AM

START POUR

ADDITIONAL WATER ADDED TO THIS CONCRETE WILL REDUCE ITS STRENGTH.  
ANY WATER ADDED IS AT CUSTOMER'S RISK.

ARRIVE JOB SITE

FINISH POUR

WATER ADDED ON JOB AT CUSTOMER'S REQUEST \_\_\_\_\_ GAL.

WATER ADDED TO THIS LOAD BY AUTHORITY OF X \_\_\_\_\_

LOAD QUANTITY	CUMULATIVE QUANTITY	ORDERED QUANTITY	PRODUCT CODE	PRODUCT DESCRIPTION	UNIT OF MEASURE	UNIT PRICE	AMOUNT
10.00	10.00	20.00	BK2DC2NL	8000 PSI #8 ST AIR/2DCI	CY		
NOTE: CUMULATIVE QUANTITY VALUES MAY NOT REFLECT ACTUAL YARDS ARRIVED ON JOB.							

CON SAND 1000 LB AEA \*1 9.0 02  
STONE8 1850 LB WRDA 41.0 02  
CEMENT 550 LB SUPER 54.6 02  
WATER \*1 31.0 02 DCI 256.0 02

SUB TOTAL

TAX

TOTAL

171.16

I HEREBY AUTHORIZE THE TRUCK (OR TRUCKS) DELIVERY MATERIAL TO THIS JOB TO LEAVE THE ROAD AND DRIVE ONTO PRIVATE PROPERTY AS I DIRECT. IN MAKING THIS AUTHORIZATION I ASSUME RESPONSIBILITY FOR ANY AND ALL DAMAGE THAT MAY BE DONE TO SAID PRIVATE PROPERTY AND TO ANY OTHER PROPERTY ADJACENT TO SAID PROPERTY THAT MAY BE TRESPASSED ON FOLLOWING MY DIRECTIONS. I FURTHER INDEMNIFY ROCKVILLE FUEL & FEED COMPANY, INC. AND THE DRIVER OF THIS TRUCK (THESE TRUCKS) FROM ANY LIABILITY RESULTING FROM THIS AUTHORIZATION.

STAIRWAY # 4 330' LEVEL TO LANDING SLAB AND NORTH X AND WEST COLUMNS

CUSTOMER ACKNOWLEDGES AND UNDERSTANDS ALL OF TERMS AND CONDITIONS CONTAINED ON BOTH SIDES OF THIS DOCUMENT.

RECEIVED BY: X

CUSTOMER OR AUTHORIZED SIGNATURE

SET #  
512

## ① Silver Spring Transit Center Project

CONCRETE PLACEMENT CHECKLIST / POUR CARDPROJECT NUMBER: 16027-0- MDDATE: 1-7-11WEATHER: CLOUDY / WINDY TEMP: Air = 32°  
Concrete = 61°POUR LOCATION: STAIRWAY #4 330' LEVEL TO LANDING SLAB AND THE  
NORTH AND WEST COLUMNSMIX DESIGN: 8000 PSI CUBIC YARDS: 20<sup>cu</sup> yds total placed toCONVEYANCE METHOD: CRAWL / BUCKETPLACEMENT TIME: START: 11:30 AM FINISH: 1:00 PM

DELAYS: \_\_\_\_\_

ACTIONS: \_\_\_\_\_

BALTER VERIFICATIONCONCRETE AND REINFORCEMENT✓

FORMWORK / SHORING

\_\_\_\_\_

SUB-GRADE FOR SLABS

\_\_\_\_\_

FOUNDATION BEARING

✓

REINFORCING STEEL

\_\_\_\_\_

ELEVATED DECK SLAB

\_\_\_\_\_

DRILLED PIER / SOLDIER PILE

THE ROBERT B. BALTER COMPANY  
Geotechnical Engineers

18 Music Fair Road  
Owings Mills, Maryland 21117

COMPRESSIVE STRENGTH TEST SPECIMEN DATA

Project: SST Ctr Proj. No.: 16027-0-M Supplier: Rockville Fuel & Feed Co.  
Client: Montgomery Co. Ticket No.: 93167 Truck No.: 78  
Contractor: Facchina Water-Cement Ratio: .35  
Sample Location: Parapet wall for east  
elevator enclosure 330' level Mix Number: \*45K1D2N  
Method of Placement: Concrete Bucket Mix Design: 4500 PSI  
Slump: 5" inches Time Batched: 8:25 AM  
Water added at site? ☐ Yes,      gallons ☒ No Batch Size: 10 cu yds  
Specimen made by: Josh M. Date Molded: 1-19-11 Time: 9:25 AM  
Concrete Temperature: 62° °F Date Delivered to Lab:       
Air Content: 5.4% ☐ N/A Unit Weight:      PCF ☒ N/A  
Specimen Set No.: 533 Weather: Mostly Sunny  
Test Req'd: At      Days; 1 At 7 days;      At 14 Days; 2 At 28 Days; 1 Reserved  
Remarks: Revs = 183, 2 = 56 day Breaks

ROCKVILLE FUEL AND FEED  
PLANT #1 & #2

19Jan11  
8:25AM

Flop Gate:.. DRY  
Batch:.. 1 of 1

Volume: 10.00 yd3  
Truck #:... 78

Mix ID: \*45K1D2N  
GARY SIMMONS

Mix Desc: 4500 PSI W/AIR/WR/1DCI  
Ticket # 93167  
FACCHINA CONSTRUCTION CO., INC.  
SILVER SPRING TRANSIT CENTER-750

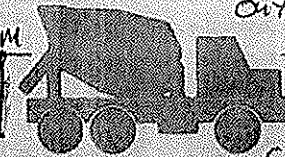
W/(C+P) Ratio: 0.35

Material	Design	Moist	Target	Actual	Free H2O	Status
CON SAND	1166 Lb	5.9%	12391 Lb	12280 Lb	731 Lb	Done
STONE	1750 Lb	0.6%	17606 Lb	17660 Lb	106 Lb	Done
CEMENT	423 Lb	0.0%	4230 Lb	4220 Lb	0 Lb	Done
SLAG	282 Lb	0.0%	2820 Lb	2820 Lb	0 Lb	Done
AEA	6.0 oz	100.0%	30 oz	31 oz	2 Lb	Done
DCI	128.0 oz	100.0%	1280 oz	1312 oz	85 Lb	Done
WRDA	21.0 oz	0.0%	210 oz	209 oz	0 Lb	Done
WATER	*1 33.2 Gal	100.0%	192 Gal	190 Gal	1582 Lb	Done

Ice/Batch 0 Lb Water allowed by mix design: 332 Total Water 300  
Moisture compensation water: 110 Water allowed at jobsite: 32 Gal

# **Rockville FUEL & FEED COMPANY, INC.**

P.O. Box 1707  
Rockville, MD 20849-1707



READY MIXED CONCRETE

**PLANT LOCATIONS:**  
Rockville, MD  
College Park, MD  
Columbia, MD

301-762-3988  
1-877-847-RMIX

CAUTION: FRESHLY MIXED CONCRETE MAY CAUSE SKIN IRRITATION. AVOID DIRECT CONTACT WHERE POSSIBLE AND WASH EXPOSED SKIN AREAS PROMPTLY WITH WATER. IF ANY CONCRETE GETS INTO THE EYE, RINSE IMMEDIATELY AND REPEATEDLY WITH WATER AND GET PROMPT MEDICAL ATTENTION.

KEEP OUT OF REACH OF CHILDREN

DATE 19-Jan-11

Revs=183

outside temp 40°

Air 54°

con. temp 62°

CUSTOMER # 7377 CUSTOMER NAME FACCHINA CONSTRUCTION CO., INC. PROJECT # 3 PROJECT NAME SILVER SPRING TRANSIT CENTER-750

DELIVERY ADDRESS 6404 COLESVILLE ROAD, SILVER SPR MAP LOT/BLOCK P.O.# CUSTOMER JOB NUMBER

INSTRUCTIONS R/L NORBECK, R/GEORGIA AVE., PASS 1-495, R/16TH STREET, L/RT 410 (EAST-WEST HWY), L/COLESVILLE RD TO JOB ON RIGHT. USE WALL  
\*\*\* DRUM ROTATION COUNTER MUST BE WORKING \*\*\* SLUMP 5"

PLANT TRUCK # 73 DRIVER DARY SIMMONS ORDER # 9 TIME 8:24

LOAD TIME 8:25AM START POUR ADDITIONAL WATER ADDED TO THIS CONCRETE WILL REDUCE ITS STRENGTH. ANY WATER ADDED IS AT CUSTOMER'S RISK.

ARRIVE JOB SITE FINISH POUR WATER ADDED ON JOB AT CUSTOMER'S REQUEST GAL.

WATER ADDED TO THIS LOAD BY AUTHORITY OF X

LOAD QUANTITY	CUMULATIVE QUANTITY	ORDERED QUANTITY	PRODUCT CODE	PRODUCT DESCRIPTION	UNIT OF MEASURE	UNIT PRICE	AMOUNT
10.00	10.00	20.00	45K1D2N	4500 PSI W/AIR/WR/1DC1	CY		

CON. SAND	1166 LB	AEA	*1	6.0 02			
STONE	1750 LB	DC1		128.0 02			
CEMENT	420 LB	WRDA		21.0 02			
WATER	33.2 GA						
SLAG	282 LB						
						SUB TOTAL	
						TAX	
						TOTAL	

Parapet wall for east elevator enclosure 330' level

I HEREBY AUTHORIZED THE TRUCK (OR TRUCKS) DELIVERY MATERIAL TO THIS JOB TO LEAVE THE ROAD AND DRIVE ONTO PRIVATE PROPERTY AS I DIRECT. IN MAKING THIS AUTHORIZATION I ASSUME RESPONSIBILITY FOR ANY AND ALL DAMAGE THAT MAY BE DONE TO SAID PRIVATE PROPERTY AND TO ANY OTHER PROPERTY ADJACENT TO SAID PROPERTY THAT MAY BE TRESPASSED ON FOLLOWING MY DIRECTIONS. I FURTHER INDEMNIFY ROCKVILLE FUEL & FEED COMPANY, INC. AND THE DRIVER OF THIS TRUCK (THESE TRUCKS) FROM ANY LIABILITY RESULTING FROM THIS AUTHORIZATION.

X

CUSTOMER ACKNOWLEDGES AND UNDERSTANDS ALL OF TERMS AND CONDITIONS CONTAINED ON BOTH SIDES OF THIS DOCUMENT.

RECEIVED BY: X

CUSTOMER OR AUTHORIZED SIGNATURE

Set # 533  
①

THE ROBERT B. BALTER COMPANY  
Silver Spring Transit Center Project

CONCRETE PLACEMENT CHECKLIST / POUR CARD

PROJECT NUMBER: 16027-0- MD

DATE: 1-19-11

WEATHER: Mostly Sunny TEMP: Air = 40°  
Concrete = 62°

POUR LOCATION: Parapet wall for east elevator  
enclosure 330' level

MIX DESIGN: 4,500 PSI CUBIC YARDS: 10 cu yds = total placed today

CONVEYANCE METHOD: Concrete Bucket

PLACEMENT TIME: START: 9:30 AM FINISH: 10:40 PM

DELAYS: \_\_\_\_\_

ACTIONS: \_\_\_\_\_

BALTER VERIFICATION

✓

\_\_\_\_\_

\_\_\_\_\_

✓

\_\_\_\_\_

\_\_\_\_\_

CONCRETE AND REINFORCEMENT

FORMWORK / SHORING

SUB-GRADE FOR SLABS

FOUNDATION BEARING

REINFORCING STEEL

ELEVATED DECK SLAB

DRILLED PIER/SOLDIER PILE



THE ROBERT B. BALTER COMPANY  
Geotechnical Engineers

18 Music Fair Road  
Owings Mills, Maryland 21117

COMPRESSIVE STRENGTH TEST SPECIMEN DATA

Project: SST Ctr. Proj. No.: 16027-0-M Supplier: Rockville Fuel & Feed Co.  
Client: Montgomery Co. Ticket No.: 93678 Truck No.: 65  
Contractor: Facchina Water-Cement Ratio: .36  
Sample Location: Barrier Wall (parapet) 305' level Mix Number: \*45KID2N  
from A-8 to A-10 and 10.2-A1 to 10.8-C6 Mix Design: 4500 psi  
Method of Placement: Concrete Pump Time Batched: 7:12 AM  
Slump: 4 1/2 inches Batch Size: 10 cu yds  
Water added at site? ☐ Yes, \_\_\_\_\_ gallons ☒ No Date Molded: 2-2-11 Time: 8:15 AM  
Specimen made by: Brian F. & John Welk Date Delivered to Lab: \_\_\_\_\_  
Concrete Temperature: 58° °F Unit Weight: \_\_\_\_\_ PCF ☒ N/A  
Air Content: 4.7% ☐ N/A Weather: Cloudy  
Specimen Set No.: 551 Air Temperature: 38° °F  
Test Req'd: \_\_\_\_\_ At \_\_\_\_\_ Days; 1 At 7 days; \_\_\_\_\_ At 14 Days; 2 At 28 Days; 1 Reserved  
Remarks: Revolutions = 138, 2 = 56 day Breaks

ROCKVILLE FUEL AND FEED  
15 Air St.  
Batch Record:

7:12AM  
2Feb11

Batch: 1 of 1

Volume: 10.00 yds Mix ID: 45KID2N  
Truck #: 65 MARSHALL CRANF

Mix Desc: 4500 PSI W/ATR/WP/10CI  
Ticket # 93678  
FACCHINA CONSTRUCTION CO., INC.  
SILVER SPRING TRANSIT CENTER-7304

W/(C+P) Ratio: 0.36

Material	Design	Moist	Target	Actual	Proc. H2O	Status
STONE	1750 Lb	1.1%	0.0%	17695 Lb	18000 Lb	Over
CON. SAND	1166 Lb	6.8%	0.0%	12511 Lb	12760 Lb	Over
CEMENT	422 Lb	8.0%		4230 Lb	4310 Lb	Over
SLAG	552 Lb	0.0%		5820 Lb	2790 Lb	Done
AEA	6.0 oz	100.0%		30 oz	31 oz	Done
PCI	128.0 oz	100.0%		1280 oz	1288 oz	Done
WRDA	21.0 oz	100.0%		210 oz	212 oz	Done
WATER	33.2 Gal	100.0%		194 Gal	171 Gal	Manual

Ice/Batch 0 Lb Water allowed by mix designs: 332 Total Water 309  
Moisture compensation water: 130 Water allowed at jobsite: 23 Gal

**Rockville  
Fuel &  
Feed Company, Inc.**

P.O. Box 1707  
Rockville, MD 20849-1707

READY MIXED CONCRETE

**PLANT LOCATIONS:**

Rockville, MD  
College Park, MD  
Columbia, MD

CAUTION: FRESHLY MIXED CONCRETE MAY CAUSE SKIN IRRITATION. AVOID DIRECT CONTACT WHERE POSSIBLE AND WASH EXPOSED SKIN AREAS PROMPTLY WITH WATER. IF ANY CONCRETE GETS INTO THE EYE, RINSE IMMEDIATELY AND REPEATEDLY WITH WATER AND GET PROMPT MEDICAL ATTENTION.  
KEEP OUT OF REACH OF CHILDREN

301-762-3988

1-877-847-RMIX

DATE

CUSTOMER #

CUSTOMER NAME

PROJECT #

PROJECT NAME

DELIVERY ADDRESS

MAP

LOT/BLOCK

P.O. #

CUSTOMER JOB NUMBER

INSTRUCTIONS

USE

SUMP

PLANT

TRUCK #

DRIVER

ORDER #

TIME DUE

LOAD TIME

START POUR

ADDITIONAL WATER ADDED TO THIS CONCRETE WILL REDUCE ITS STRENGTH. ANY WATER ADDED IS AT CUSTOMER'S RISK.

ARRIVE JOB SITE

FINISH POUR

WATER ADDED ON JOB AT CUSTOMER'S REQUEST \_\_\_\_\_ GAL.

WATER ADDED TO THIS LOAD BY AUTHORITY OF X \_\_\_\_\_

LOAD QUANTITY	CUMULATIVE QUANTITY	ORDERED QUANTITY	PRODUCT CODE	PRODUCT DESCRIPTION	UNIT OF MEASURE	UNIT PRICE	AMOUNT
10.00	10.00	20.00	*45K1D2N	4500 PSI W/AIR/WR/1DCT	CY		
Barrier Wall (parapet) 305' level from A-8 to A-10 and 10.2-A1 to 10.8-C6							
NOTE: CUMULATIVE QUANTITY VALUES MAY NOT REFLECT ACTUAL YARDAGE ARRIVED ON JOB.							

STONE	1750 LB	AGA	*1	6.0 02
CON SAND	1166 LB	DCI		128.0 02
CEMENT	423 LB	WRDA		21.0 02
WATER	33.2 Gs	SLAB		288 LB

SUB TOTAL  
TAX  
TOTAL

I HEREBY AUTHORIZED THE TRUCK (OR TRUCKS) DELIVERY MATERIAL TO THIS JOB TO LEAVE THE ROAD AND DRIVE ONTO PRIVATE PROPERTY AS I DIRECT. IN MAKING THIS AUTHORIZATION I ASSUME RESPONSIBILITY FOR ANY AND ALL DAMAGE THAT MAY BE DONE TO SAID PRIVATE PROPERTY AND TO ANY OTHER PROPERTY ADJACENT TO SAID PROPERTY THAT MAY BE TRESPASSED ON FOLLOWING MY DIRECTIONS. I FURTHER INDEMNIFY ROCKVILLE FUEL & FEED COMPANY, INC. AND THE DRIVER OF THIS TRUCK (THESE TRUCKS) FROM ANY LIABILITY RESULTING FROM THIS AUTHORIZATION.

X

CUSTOMER ACKNOWLEDGES AND UNDERSTANDS ALL OF TERMS AND CONDITIONS CONTAINED ON BOTH SIDES OF THIS DOCUMENT.

RECEIVED BY: X

CUSTOMER OR AUTHORIZED SIGNATURE



SET #  
551

①

# Silver Spring Transit Center Project

## CONCRETE PLACEMENT CHECKLIST / POUR CARD

PROJECT NUMBER: 16027-0- MD

DATE: 2-2-11

WEATHER: CLOUDY TEMP: Air = 38°  
Concrete = 58°

POUR LOCATION: Barrier Wall (Parapet) 305' level  
from A-8 to A-10 and 10.2-A1 to 10.8-C6

MIX DESIGN: 8000 PSI CUBIC YARDS: 30 cu yds = total placed today

CONVEYANCE METHOD: Chute

PLACEMENT TIME: START: 8:00 AM FINISH: 10:30 AM

DELAYS: \_\_\_\_\_

ACTIONS: \_\_\_\_\_

### BALTER VERIFICATION

✓

\_\_\_\_\_

\_\_\_\_\_

✓

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

### CONCRETE AND REINFORCMENT

FORMWORK / SHORING

SUB-GRADE FOR SLABS

FOUNDATION BEARING

REINFORCING STEEL

ELEVATED DECK SLAB

DRILLED PIER/SOLDIER PILE

THE ROBERT B. BALTER COMPANY  
Geotechnical Engineers

①

18 Music Fair Road  
Owings Mills, Maryland 21117

### COMPRESSIVE STRENGTH TEST SPECIMEN DATA

Project: SST Ctr Proj. No.: 16027-0-m Supplier: Rockville Fuel & Feed Co.  
Client: Montgomery Co. Ticket No.: 93827 Truck No.: 74  
Contractor: Facchina Water-Cement Ratio: .35  
Sample Location: Barrier wall (parapet) Mix Number: \*45K1D2N  
@ 305' level A-7 to A-8 Mix Design: 4500 Psi  
Method of Placement: Concrete Pump Time Batched: 12:09 PM  
Slump: 4 1/2 inches Batch Size: 8 cu yds  
Water added at site? ☐ Yes, \_\_\_\_\_ gallons ☒ No Date Molded: 2-7-11 Time: 1:15 PM  
Specimen made by: Brian F. A Date Delivered to Lab: \_\_\_\_\_  
Concrete Temperature: 68 °F Unit Weight: \_\_\_\_\_ PCF ☒ N/A  
Air Content: 4.9 % ☐ N/A Weather: Mostly Cloudy  
Specimen Set No.: 552 Air Temperature: \_\_\_\_\_ °F  
Test Req'd: \_\_\_\_\_ At \_\_\_\_\_ Days; 1 At 7 days; \_\_\_\_\_ At 14 Days; 2 At 28 Days; 1 Reserved  
Remarks: Revolutions = 127, 2 = 56 day Breaks

ROCKVILLE FUEL AND FEED  
PLANT #1 & #2

7Feb11  
12:09PM

Flop Gate:.. WET  
Batch:.. 1 of 1

Volume: 0.00 yd3 Mix ID: \*45K1D2N  
Truck #:... 74 RON BUSHNELL

Mix Desc: 4500 PSI W/AIR/WR/1DCI  
Ticket # 93827  
FACCHINA CONSTRUCTION CO., INC.  
SILVER SPRING TRANSIT CENTER-750

W/(C+P) Ratio: 0.35

Material	Design	Moist	Target	Actual	Free H2O	Status
CON SAND	1166 Lb	6.2%	9945 Lb	10020 Lb	617 Lb	Done
STONE	1750 Lb	1.0%	14141 Lb	14280 Lb	141 Lb	Done
CEMENT	423 Lb	0.0%	3384 Lb	3390 Lb	0 Lb	Done
SLAG	282 Lb	0.0%	2256 Lb	2290 Lb	0 Lb	Over
AEA	*1 6.0 oz	100.0%	24 oz	25 oz	2 Lb	Done
DCI	128.0 oz	100.0%	1024 oz	1056 oz	69 Lb	Done
WRDA	21.0 oz	0.0%	168 oz	167 oz	0 Lb	Done
WATER	*1 33.2 Gal	100.0%	143 Gal	142 Gal	1182 Lb	Done

Ice/Batch 0 Lb Water allowed by mix design: 265 Total Water 241  
Moisture compensation water: 100 Water allowed at jobsite: 24 Gal

1st TRUCK 4500 PSI  
**ROCKVILLE  
FUEL &  
FEED COMPANY, INC.**

P.O. Box 1707 2-7-11  
Rockville, MD 20849-1707



READY MIXED CONCRETE

REV 5-127

OK 15MP = 45°

Low Temp = 68°

Temp = 4.5°

ACR = 4.9%

TAKEN @ 1:15 PM

CAUTION: FRESHLY MIXED CONCRETE MAY CAUSE SKIN IRRITATION. AVOID DIRECT CONTACT WHERE POSSIBLE AND WASH EXPOSED SKIN AREAS PROMPTLY WITH WATER. IF ANY CONCRETE GETS INTO THE EYE, RINSE IMMEDIATELY AND REPEATEDLY WITH WATER AND GET PROMPT MEDICAL ATTENTION.

KEEP OUT OF REACH OF CHILDREN

301-762-3988

1-877-847-RMIX

DATE  
07-Feb-11

CUSTOMER #  
7572

CUSTOMER NAME  
FACCHINA CONSTRUCTION CO., INC.

PROJECT #  
3

PROJECT NAME  
SILVER SPRING TRANSIT CENTER - 750

DELIVERY ADDRESS  
8404 COLESVILLE ROAD, SILVER SPR

MAP

LOT/BLOCK

P.O. #

CUSTOMER/JOB NUMBER

INSTRUCTIONS

1/ RT. 400 (EAST WEST HWY), L/ COLESVILLE RD TO JOB ON RIGHT.  
DRUM ROTATION COUNTER MUST BE WORKING \*\*\*

PLANT #  
74

TRUCK #  
74

DRIVER  
RON BUSNELL

ORDER #

101

LOAD TIME

12:09 PM

START POUR

ADDITIONAL WATER ADDED TO THIS CONCRETE WILL REDUCE ITS STRENGTH. ANY WATER ADDED IS AT CUSTOMER'S RISK.

ARRIVE JOB SITE

FINISH POUR

WATER ADDED ON JOB AT CUSTOMER'S REQUEST

GAL

WATER ADDED TO THIS LOAD BY AUTHORITY OF X

LOAD QUANTITY	CUMULATIVE QUANTITY	ORDERED QUANTITY	PRODUCT CODE	PRODUCT DESCRIPTION	UNIT OF MEASURE	UNIT PRICE	AMOUNT
8.00	8.00	8.00	*45K1D2N	4500 PSI W/AIR/WR/IDCI	CY		

27

NOTE: CUMULATIVE QUANTITY VALUES MAY NOT REFLECT ACTUAL YARDS ARRIVED ON JOB.

CON. SAND	1168 Lb	ACR	*1	5.0 02			
STONE	1750 Lb	DCI		125.0 02			
CEMENT	423 Lb	WRDA		215.0 02			
WATER	*1 33.2 Ga						
SLAG	282 Lb						

SUB TOTAL

TAX

TOTAL

Barrier wall (Parapet) @ 305' level from A-7 to A-8

I HEREBY AUTHORIZE THE TRUCK (OR TRUCKS) DELIVERY MATERIAL TO THIS JOB TO LEAVE THE ROAD AND DRIVE ONTO PRIVATE PROPERTY AS I DIRECT. IN MAKING THIS AUTHORIZATION I ASSUME RESPONSIBILITY FOR ANY AND ALL DAMAGE THAT MAY BE DONE TO SAID PRIVATE PROPERTY AND TO ANY OTHER PROPERTY ADJACENT TO SAID PROPERTY THAT MAY BE TRESPASSED ON FOLLOWING MY DIRECTIONS. I FURTHER INDEMNIFY ROCKVILLE FUEL & FEED COMPANY, INC. AND THE DRIVER OF THIS TRUCK (THESE TRUCKS) FROM ANY LIABILITY RESULTING FROM THIS AUTHORIZATION.

X

CUSTOMER ACKNOWLEDGES AND UNDERSTANDS ALL OF TERMS AND CONDITIONS CONTAINED ON BOTH SIDES OF THIS DOCUMENT.

RECEIVED BY: X

CUSTOMER OR AUTHORIZED SIGNATURE

Set # 552

①

THE ROBERT B. BALTER COMPANY  
Silver Spring Transit Center Project

CONCRETE PLACEMENT CHECKLIST / POUR CARD

PROJECT NUMBER: 16027-0- MD  
DATE: 2-7-11  
WEATHER: \_\_\_\_\_ TEMP: Air = 45°  
Concrete = 68°  
POUR LOCATION: Barrier Wall (Parapet) @ 305' level  
from A-7 to A-8  
MIX DESIGN: 4,500 PSI \*45KID2N PSI CUBIC YARDS: 8 cu yds = total placed today  
CONVEYANCE METHOD: Chute  
PLACEMENT TIME: START: 1:15 PM FINISH: 2:00 PM  
DELAYS: \_\_\_\_\_  
ACTIONS: \_\_\_\_\_

BALTER VERIFICATION

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

CONCRETE AND REINFORCEMENT

FORMWORK / SHORING  
SUB-GRADE FOR SLABS  
FOUNDATION BEARING  
REINFORCING STEEL  
ELEVATED DECK SLAB  
DRILLED PIER/SOLDIER PILE

THE ROBERT B. BALTER COMPANY  
Geotechnical Engineers

18 Music Fair Road  
Owings Mills, Maryland 21117

COMPRESSIVE STRENGTH TEST SPECIMEN DATA

Project: SST Ctr. Proj. No.: 16027-0-MD Supplier: Rockville Fuel & Feed Co.  
Client: Montgomery Co. Ticket No.: 94027 Truck No.: 27  
Contractor: Facchina Water-Cement Ratio: 36  
Sample Location: Barrier (parapet) wall Mix Number: \*45KID20  
305' level from A-5 to A-7 Mix Design: 4500 PSI  
Method of Placement: Concrete Bucket Time Batched: 9:23 AM  
Slump: 4 1/2 inches Batch Size: 10 cu yds  
Water added at site? ☒ Yes, 12 gallons ☐ No Date Molded: 2-10-10 Time: 10:10 AM  
Specimen made by: Brian F. A Date Delivered to Lab: \_\_\_\_\_  
Concrete Temperature: 59° °F Unit Weight: \_\_\_\_\_ PCF ☒ N/A  
Air Content: 4.9% ☐ N/A Weather: Clear  
Specimen Set No.: 567 Air Temperature: 25° °F  
Test Req'd: \_\_\_\_\_ At \_\_\_\_\_ Days; 1 At 7 days; \_\_\_\_\_ At 14 Days; 2 At 28 Days; 1 Reserved  
Remarks: Revolutions = 161, 2 = 56 day Breaks

ROCKVILLE FUEL AND FEED  
PLANT #1 & #2

10Feb11  
9:23AM

Flop Gate:.. WET  
Batch:.. 1 of 1

Volume: 10.00 yd3  
Truck #:... 77

Mix ID: \*45KID2N  
JOHN MELVIN

Mix Desc: 4500 PSI W/AIR/WR/1DCI  
Ticket # 94027  
FACCHINA CONSTRUCTION CO., INC.  
SILVER SPRING TRANSIT CENTER-750

W/(C+P) Ratio: 0.36

Material	Design	Moist	Target	Actual	Free H2O	Status
CON_SAND	1166 Lb	6.7% 0.0%	12497 Lb	12400 Lb	837 Lb	Done
STONE	1750 Lb	1.0% 0.0%	17677 Lb	17780 Lb	177 Lb	Done
CEMENT	423 Lb	0.0%	4230 Lb	4230 Lb	0 Lb	Done
SLAG	282 Lb	0.0%	2820 Lb	2810 Lb	0 Lb	Done
AEA *1	6.0 oz	100.0%	30 oz	31 oz	2 Lb	Done
DCI	128.0 oz	100.0%	1280 oz	1312 oz	85 Lb	Done
WRDA	21.0 oz	0.0%	210 oz	210 oz	0 Lb	Done
WATER *1	33.2 Gal	100.0%	170 Gal	169 Gal	1407 Lb	Done

Ice/Batch 0 Lb Water allowed by mix design: 332 Total Water 301  
Moisture compensation water: 132 Water allowed at jobsite: 31 Gal

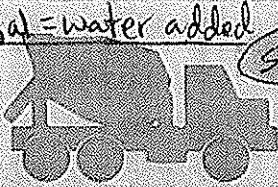
1161 REVS



# ROCKVILLE FUEL & FEED COMPANY, INC.

P.O. Box 1707  
Rockville, MD 20849-1707

READY MIXED CONCRETE



CAUTION: FRESHLY MIXED CONCRETE MAY CAUSE SKIN IRRITATION. AVOID DIRECT CONTACT WHERE POSSIBLE AND WASH EXPOSED SKIN AREAS PROMPTLY WITH WATER. IF ANY CONCRETE GETS INTO THE EYE, RINSE IMMEDIATELY AND REPEATEDLY WITH WATER AND GET PROMPT MEDICAL ATTENTION.

KEEP OUT OF REACH OF CHILDREN

*Facchina*  
*2-10-11*  
*12 gal = water added*  
*Set # 567*  
*Revs = 161*

PLANT LOCATIONS: Rockville, MD  
College Park, MD  
Columbia, MD

*Slump = 4 1/2"*  
*AE = 4.9%*  
*Con. temp = 59°*  
*outside Air temp = 25°*

301-762-3988  
1-877-847-RMIX

DATE: *10-Feb-11*  
CUSTOMER # *572* CUSTOMER NAME *Facchina Construction Co., Inc.* PROJECT # *305' level from approx A-5 to A-7* PROJECT NAME *Barrier (parapet) wall* TICKET # *44027*

DELIVERY ADDRESS: *404 COLLETSVILLE ROAD, SILVER SPR* MAP LOT/BLOCK P.O. # CUSTOMER JOB NUMBER

INSTRUCTIONS: *R/L E NORBECK, R/GEORGIA AVE., PASS I-495, R/16th STREET, L/RT 410 (EAST-WEST HWY), L/COLETSVILLE RD TO JOB ON RIGHT.* USE *WALL*  
\*\*\* DRUM ROTATION COUNTER MUST BE WORKING \*\*\* SLUMP *5"*

PLANT TRUCK # DRIVER *JOHN MELVIN* ORDER # *103* TIME DUE *10:10 AM*

LOAD TIME *9:23 AM* START POUR FINISH POUR  
ADDITIONAL WATER ADDED TO THIS CONCRETE WILL REDUCE ITS STRENGTH. ANY WATER ADDED IS AT CUSTOMER'S RISK.  
WATER ADDED ON JOB AT CUSTOMER'S REQUEST *956* GAL.  
WATER ADDED TO THIS LOAD BY AUTHORITY OF X

LOAD QUANTITY	CUMULATIVE QUANTITY	ORDERED QUANTITY	PRODUCT CODE	PRODUCT DESCRIPTION	UNIT OF MEASURE	UNIT PRICE	AMOUNT
<i>10.00</i>	<i>10.00</i>	<i>10.00</i>	<i>*45K102N</i>	<i>4500 PSI W/AIR/WR/IDCI</i>	<i>CV</i>		
<i>161 REVS</i>							

NOTE: CUMULATIVE QUANTITY VALUES MAY NOT REFLECT ACTUAL YARDS ARRIVED ON JOB.

CON SAND	1155 Lb	REA	*1	5.0 02	SUB TOTAL TAX TOTAL
STONE	1750 Lb	DOI		125.0 02	
CEMENT	423 Lb	WRDA		21.0 02	
WATER	*1 23.2 Ga				
SLAB	282 Lb				

I HEREBY AUTHORIZED THE TRUCK (OR TRUCKS) DELIVERY MATERIAL TO THIS JOB TO LEAVE THE ROAD AND DRIVE ONTO PRIVATE PROPERTY AS I DIRECT. IN MAKING THIS AUTHORIZATION I ASSUME RESPONSIBILITY FOR ANY AND ALL DAMAGE THAT MAY BE DONE TO SAID PRIVATE PROPERTY AND TO ANY OTHER PROPERTY ADJACENT TO SAID PROPERTY THAT MAY BE TRESPASSED ON FOLLOWING MY DIRECTIONS. I FURTHER INDEMNIFY ROCKVILLE FUEL & FEED COMPANY, INC. AND THE DRIVER OF THIS TRUCK (THESE TRUCKS) FROM ANY LIABILITY RESULTING FROM THIS AUTHORIZATION.

X

*161 REVS*

CUSTOMER ACKNOWLEDGES AND UNDERSTANDS ALL OF TERMS AND CONDITIONS CONTAINED ON BOTH SIDES OF THIS DOCUMENT.

RECEIVED BY: X

CUSTOMER OR AUTHORIZED SIGNATURE

#567  
①

THE ROBERT B. BALTER COMPANY

# Silver Spring Transit Center Project

## CONCRETE PLACEMENT CHECKLIST / POUR CARD

PROJECT NUMBER: 16027-0- MD

DATE: 2-10-11

WEATHER: Clear TEMP: Air = 25°  
Concrete = 59°

POUR LOCATION: Barrier (parapet) wall .305' level  
from A-5 to A-7

MIX DESIGN: 4,500 PSI CUBIC YARDS: 10 <sup>cu</sup> <sub>yds</sub> = total placed today

CONVEYANCE METHOD: Concrete Bucket

PLACEMENT TIME: START: 10:15 Am FINISH: 11:10 Am

DELAYS:                     

ACTIONS:                     

### BALTER VERIFICATION

✓  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
✓  
\_\_\_\_\_  
\_\_\_\_\_

### CONCRETE AND REINFORCMENT

FORMWORK / SHORING  
SUB-GRADE FOR SLABS  
FOUNDATION BEARING  
REINFORCING STEEL  
ELEVATED DECK SLAB  
DRILLED PIER/SOLDIER PILE



THE ROBERT E. BALTER COMPANY  
Geotechnical Engineers

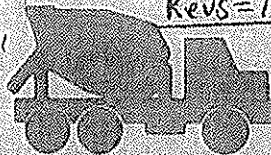
18 Music Fair Road  
Owings Mills, Maryland 21117

COMPRESSIVE STRENGTH TEST SPECIMEN DATA

Project: SST Ctr Proj. No.: 16027-0-MD Supplier: Rockville Feed & Feed Co.  
Client: Montgomery Co. Ticket No.: 94095 Truck No.: 40  
Contractor: Faccina Water-Cement Ratio: .26  
Sample Location: Columns C9 @ 10.8, C6 @ 10.8 and C6 @ 12 elevation 330' to 350' Mix Number: 8K1DC2NL  
Method of Placement: Concrete Pump Mix Design: 8000 psi  
Slump: 8 inches Time Batched: 8:32 AM  
Water added at site? ☐ Yes, \_\_\_\_\_ gallons ☒ No Batch Size: 7 cu yds  
Specimen made by: Brian F. & John Welk Date Molded: 2-11-11 Time: 9:30 AM  
Concrete Temperature: 58 °F Date Delivered to Lab: \_\_\_\_\_  
Air Content: 6.1% ☐ N/A Unit Weight: \_\_\_\_\_ PCF ☒ N/A  
Specimen Set No.: 568 Weather: Clear  
Test Req'd: At \_\_\_\_\_ Days; 1 At 7 days; \_\_\_\_\_ At 14 days; 2 At 28 days; 1 Reserved  
Remarks: Revolutions = 115, 2 = 56 day Breaks

# **ROCKVILLE** **FUEL &** **FEED COMPANY, INC.**

P.O. Box 1707  
 Rockville, MD 20849-1707



READY MIXED CONCRETE

## **PLANT LOCATIONS:**

Rockville, MD  
 College Park, MD  
 Columbia, MD

CAUTION: FRESHLY MIXED CONCRETE MAY CAUSE SKIN IRRITATION. AVOID DIRECT CONTACT WHERE POSSIBLE AND WASH EXPOSED SKIN AREAS PROMPTLY WITH WATER. IF ANY CONCRETE GETS INTO THE EYE, RINSE IMMEDIATELY AND REPEATEDLY WITH WATER AND GET PROMPT MEDICAL ATTENTION.

KEEP OUT OF REACH OF CHILDREN

301-762-3988  
 1-877-847-RMIX

DATE

11 Feb-11

CUSTOMER #

CUSTOMER NAME

FACCHINA CONSTRUCTION CO., INC.

PROJECT #

PROJECT NAME

SILVER SPRING TRANSIT CENTER / 50

DELIVERY ADDRESS

3404 COLESVILLE ROAD, SILVER SPR

MAP

LOT/BLOCK

P.O. #

CUSTOMER JOB NUMBER

### **INSTRUCTIONS**

R/R - 2/NORDECK, R/GEORGIA AVE., PASS 1- 55, R/16th STREET,  
 L/R - 410 (EAST-WEST HWY) L/COLESVILLE RD TO JOB ON RIGHT.

\*\*\* DRUM ROTATION COUNTER MUST BE WORKING \*\*\*

USE

COLUMNS

SLUR

6-8"

PLANT

TRUCK #

DRIVER

ORDER #

TIME DUE

LOAD TIME

8:32AM

START POUR

ADDITIONAL WATER ADDED TO THIS CONCRETE WILL REDUCE ITS STRENGTH.  
 ANY WATER ADDED IS AT CUSTOMER'S RISK.

ARRIVE JOB SITE

FINISH POUR

WATER ADDED ON JOB AT CUSTOMER'S REQUEST \_\_\_\_\_ GAL.

WATER ADDED TO THIS LOAD BY AUTHORITY OF X \_\_\_\_\_

LOAD QUANTITY	CUMULATIVE QUANTITY	ORDERED QUANTITY	PRODUCT CODE	PRODUCT DESCRIPTION	UNIT OF MEASURE	UNIT PRICE	AMOUNT
7.00	7.00	14.00	BRIDCANT	8000 PSI #8 A 10	CY		
115 REVS							
NOTE: CUMULATIVE QUANTITY VALUES MAY NOT REFLECT ACTUAL YARDS ARRIVED ON JOB							

CON SAND	1000 Lb	AEA	#1	7.2 oz	SUB TOTAL TAX TOTAL	60
STONE	1850 Lb	WRDA		41.0 oz		
CEMENT	550 Lb	SUPER		54.6 oz		
WATER	#1 32.0 Ga	DCI		128 oz		

SLAB 350 Lb columns c9 @ 10.8, c6 @ 10.8 & c6 @ 12 elevation 330' to 350'

I HEREBY AUTHORIZED THE TRUCK (OR TRUCKS) DELIVERY MATERIAL TO THIS JOB TO LEAVE THE ROAD AND DRIVE ONTO PRIVATE PROPERTY AS I DIRECT. IN MAKING THIS AUTHORIZATION I ASSUME RESPONSIBILITY FOR ANY AND ALL DAMAGE THAT MAY BE DONE TO SAID PRIVATE PROPERTY AND TO ANY OTHER PROPERTY ADJACENT TO SAID PROPERTY THAT MAY BE TRESPASSED ON FOLLOWING MY DIRECTIONS. I FURTHER INDEMNIFY ROCKVILLE FUEL & FEED COMPANY, INC. AND THE DRIVER OF THIS TRUCK (THESE TRUCKS) FROM ANY LIABILITY RESULTING FROM THIS AUTHORIZATION.

X

CUSTOMER ACKNOWLEDGES AND UNDERSTANDS ALL OF TERMS AND CONDITIONS CONTAINED ON BOTH SIDES OF THIS DOCUMENT.

RECEIVED BY: X

CUSTOMER OR AUTHORIZED SIGNATURE

Set # 568

ROBERT D. BALTER COMPANY

# Silver Spring Transit Center Project

## CONCRETE PLACEMENT CHECKLIST / POUR CARD

PROJECT NUMBER: 16027-0- MD

DATE: 2-11-11

WEATHER: Clear (Cold AM) TEMP: Air = 32°  
Concrete = 58°

POUR LOCATION: Columns C9 @ 10.8, C6 @ 10.8  
and C6 @ 12 elevation 330' to 350'

MIX DESIGN: 8000 PSI CUBIC YARDS: cu yds = total placed today

CONVEYANCE METHOD: Crane & Concrete Bucket

PLACEMENT TIME: START: 9:40 AM FINISH: 11:30 AM

DELAYS: \_\_\_\_\_

ACTIONS: \_\_\_\_\_

### BALTER VERIFICATION

✓

\_\_\_\_\_

\_\_\_\_\_

✓

\_\_\_\_\_

\_\_\_\_\_

### CONCRETE AND REINFORCEMENT

FORMWORK / SHORING

SUB-GRADE FOR SLABS

FOUNDATION BEARING

REINFORCING STEEL

ELEVATED DECK SLAB

DRILLED PIER/SOLDIER PILE

THE ROBERT B. BALTER COMPANY  
Geotechnical Engineers

18 Music Fair Road  
Owings Mills, Maryland 21117

COMPRESSIVE STRENGTH TEST SPECIMEN DATA

Project: SST Ctr Proj. No.: 16027-0-MD Supplier: Rockville Fuel & Feed Co  
Client: Montgomery Co. Ticket No.: 479774 Truck No.: 67  
Contractor: Facchina Water-Cement Ratio: .36  
Sample Location: Barrier wall (parapet) Mix Number: \*45K1D2N  
from A-3 to A-5 305' level elevation Mix Design: 4500 PSI  
Method of Placement: Concrete Pump Time Batched: 9:13 AM  
Slump: \_\_\_\_\_ inches Batch Size: 9 cu yds  
Water added at site? ☐ Yes, \_\_\_\_\_ gallons ☒ No Date Molded: 2-15-11 Time: 10:00 AM  
Specimen made by: Brian F. A Date Delivered to Lab: \_\_\_\_\_  
Concrete Temperature: 62° °F Unit Weight: \_\_\_\_\_ PCF ☒ N/A  
Air Content: 6.9 % ☐ N/A Weather: clear  
Specimen Set No.: 569 Air Temperature: \_\_\_\_\_ °F  
Test Req'd: \_\_\_\_\_ At \_\_\_\_\_ Days; 1 At 7 days; \_\_\_\_\_ At 14 Days; 2 At 28 Days; 1 Reserved  
Remarks: Revolutions = 170, 2 = 56 day Breaks

ROCKVILLE FUEL AND FEED  
PLANT #4 (BRANCHVILLE)

18 Feb 11  
9:13AM

Volume: 9.00 yds Mix ID: \*45K1D2N  
Truck #: 67 TOMMIE TOMLINSON

Mix Desc: 4500 PSI W/HLR/WR/DCI  
Ticket # 479774  
FACCHINA CONSTRUCTION CO., INC.  
SILVER SPRING TRANSIT CENTER - 7th

W/(C+P) Ratio: 0.36

Material	Design	Moist	Target	Actual	Free H <sub>2</sub> O	Status
CON SAND	1166 Lb	4.0%	10932 Lb	10960 Lb	468 Lb	Done
STONE	1750 Lb	0.9%	15894 Lb	15980 Lb	143 Lb	Over
CEMENT	423 Lb	0.0%	3800 Lb	3810 Lb	0 Lb	Done
SLAB	282 Lb	0.0%	2530 Lb	2530 Lb	0 Lb	Done
AGA	*1 6.0 oz	0.0%	26 oz	26 oz	0 Lb	Done
DCI	128.0 oz	0.0%	1152 oz	1152 oz	0 Lb	Done
WRDA	21.0 oz	0.0%	192 oz	192 oz	0 Lb	Done
WATER	*1 33.2 Gal	100.0%	202 Gal	203 Gal	1631 Lb	Done

Ice/Batch 0 Lb Water allowed by mix design: 298 Total Water 273  
Moisture compensation water: 70 Water allowed at jobsites: 23 Gal

# **Rockville Fuel & Feed Company, Inc.**

P.O. Box 1707  
Rockville, MD 20849-1707

*Facchina 1st truck 4500 psi*

*2-15-11*



READY MIXED CONCRETE

## **PLANT LOCATIONS:**

Rockville, MD  
College Park, MD  
Columbia, MD

CAUTION: FRESHLY MIXED CONCRETE MAY CAUSE SKIN IRRITATION. AVOID DIRECT CONTACT WHERE POSSIBLE AND WASH EXPOSED SKIN AREAS PROMPTLY WITH WATER. IF ANY CONCRETE GETS INTO THE EYE, RINSE IMMEDIATELY AND REPEATEDLY WITH WATER AND GET PROMPT MEDICAL ATTENTION.

KEEP OUT OF REACH OF CHILDREN

301-762-3988

1-877-847-RMIX

DATE

15-Feb-11

CUSTOMER #  
7572

CUSTOMER NAME

FACCHINA CONSTRUCTION CO., INC.

PROJECT #

3

PROJECT NAME

SILVER SPRING TRANSIT CENTER-750

DELIVERY ADDRESS

8404 COLESVILLE ROAD, SILVER SPR

MAP

LOT/BLOCK

P.O. #

CUSTOMER JOB NUMBER

INSTRUCTIONS

RVL - E/NORBECK, R/GEORGIA AVE., PASS I-495, R/16th STREET,  
L/RT. 410 (EAST-WEST HWY), L/COLESVILLE RD TO JOB ON RIGHT.

\*\*\* DRUM ROTATION COUNTER MUST BE WORKING \*\*\*

USE

WALL

SLUMP

4

PLANT

TRUCK #

DRIVER

ORDER #

TIME DUE

4

67

TOMMIE TOMLINSON

12

10:17

LOAD TIME

9:13AM

START POUR

ADDITIONAL WATER ADDED TO THIS CONCRETE WILL REDUCE ITS STRENGTH.  
ANY WATER ADDED IS AT CUSTOMER'S RISK.

ARRIVE JOB SITE

FINISH POUR

WATER ADDED ON JOB AT CUSTOMER'S REQUEST

GAL.

WATER ADDED TO THIS LOAD BY AUTHORITY OF X

LOAD QUANTITY	CUMULATIVE QUANTITY	ORDERED QUANTITY	PRODUCT CODE	PRODUCT DESCRIPTION	UNIT OF MEASURE	UNIT PRICE	AMOUNT
9.00	9.00	9.00	*45K1D2N	4500 PSI W/AIR/WR/1DC1	CY		
Barrier Wall (parapet) A-3 to A-5 305' level							
NOTE: CUMULATIVE QUANTITY VALUES MAY NOT REFLECT ACTUAL YARDAGE ON JOB.							

CON. SAND 1166 LB AEA \*1 6.0 oz  
STONE 1750 LB DC1 128.0 oz  
CEMENT 423 LB WRDA 21.0 oz  
WATER \*1 33.2 Ga  
SLAG 282 LB

SUB TOTAL  
TAX  
TOTAL

I HEREBY AUTHORIZED THE TRUCK (OR TRUCKS) DELIVERY MATERIAL TO THIS JOB TO LEAVE THE ROAD AND DRIVE ONTO PRIVATE PROPERTY AS I DIRECT. IN MAKING THIS AUTHORIZATION I ASSUME RESPONSIBILITY FOR ANY AND ALL DAMAGE THAT MAY BE DONE TO SAID PRIVATE PROPERTY AND TO ANY OTHER PROPERTY ADJACENT TO SAID PROPERTY THAT MAY BE TRESPASSED ON FOLLOWING MY DIRECTIONS. I FURTHER INDEMNIFY ROCKVILLE FUEL & FEED COMPANY, INC. AND THE DRIVER OF THIS TRUCK (THESE TRUCKS) FROM ANY LIABILITY RESULTING FROM THIS AUTHORIZATION.

X

CUSTOMER ACKNOWLEDGES AND UNDERSTANDS ALL OF TERMS AND CONDITIONS CONTAINED ON BOTH SIDES OF THIS DOCUMENT.

RECEIVED BY: X

CUSTOMER OR AUTHORIZED SIGNATURE

THE ROBERT B. BALTER COMPANY

# Silver Spring Transit Center Project

## CONCRETE PLACEMENT CHECKLIST / POUR CARD

PROJECT NUMBER: 16027-0- MD

DATE: 2-15-11

WEATHER: Clear TEMP: Air = 36°  
Concrete = 62°

POUR LOCATION: Barrier wall (parapet) from A-3 to  
A-5 @ 305' level elevation

MIX DESIGN: 4500 PSI CUBIC YARDS: 9 cu yds # total placed today

CONVEYANCE METHOD: Chute

PLACEMENT TIME: START: 10:10 AM FINISH: 12:15 PM

DELAYS: \_\_\_\_\_

ACTIONS: \_\_\_\_\_

### BALTER VERIFICATION

✓

\_\_\_\_\_

\_\_\_\_\_

✓

\_\_\_\_\_

\_\_\_\_\_

### CONCRETE AND REINFORCMENT

FORMWORK / SHORING

SUB-GRADE FOR SLABS

FOUNDATION BEARING

REINFORCING STEEL

ELEVATED DECK SLAB

DRILLED PIER/SOLDIER PILE



THE ROBERT B. BALTER COMPANY  
Geotechnical Engineers

18 Music Fair Road  
Owings Mills, Maryland 21117

COMPRESSIVE STRENGTH TEST SPECIMEN DATA

Project: SST Ctr. Proj. No.: 16027-0-MD Supplier: Rockville Fuel & Feed Co.  
Client: Montgomery Co. Ticket No.: 94248 Truck No.: 63  
Contractor: Facchina Water-Cement Ratio: .31  
Sample Location: Wall on line "E" from 10.1 to 12.5, elevation level 330' (1/2 of wall) Mix Number: \*81DC2NL  
Method of Placement: Concrete Pump Mix Design: 6000 psi  
Slump: 6 1/2 inches Time Batched: 9  
Water added at site? ☐ Yes, \_\_\_\_\_ gallons ☒ No Batch Size: 9 cu yds  
Specimen made by: Brian F. A Date Molded: 2-15-11 Time: 12:25 PM  
Concrete Temperature: 62° °F Date Delivered to Lab: \_\_\_\_\_  
Air Content: 4.5% ☐ N/A Unit Weight: \_\_\_\_\_ PCF ☒ N/A  
Specimen Set No.: 570 Weather: Clear  
Test Req'd: \_\_\_\_\_ At \_\_\_\_\_ Days; 1 At 7 days; \_\_\_\_\_ At 14 Days; 2 At 28 Days; 1 Reserved  
Remarks: Revolutions = 170, 2 = 56 day Breaks

ROCKVILLE FUEL AND FEED  
PLANT #3  
Batch Record:

13:21AM  
15Feb11

Batch: 1 of 1

Volume: 2.06 yd3 Mix ID: \*81DC2NL  
Truck #111 63 KEVIN BROWN

Mix Descr: 6000 BAG W/AIR/HRNP/DCI  
Ticket # 34248  
FACCHINA CONSTRUCTION CO., INC.  
SILVER SPRING TRANSIT CENTER-730

W/C(RAP) Ratio: 0.31

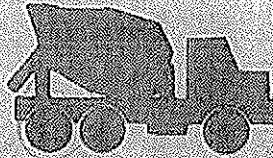
Material	Design	Moist	Target	Actual	Free H2O	Status
STONE	1750 Lb	0.7%	15861 Lb	15960 Lb	111 Lb	Done
CON. SAND	1174 Lb	6.3%	11276 Lb	11440 Lb	710 Lb	Over
CEMENT	451 Lb	0.0%	4059 Lb	4070 Lb	0 Lb	Done
SLAG	301 Lb	0.0%	2709 Lb	2810 Lb	0 Lb	Over
AER	3.4 oz	100.0%	15 oz	16 oz	1 Lb	Done
SUPER	33.0 oz	100.0%	342 oz	340 oz	32 Lb	Done
WRDA	24.0 oz	100.0%	216 oz	218 oz	14 Lb	Done
DCI	128.0 oz	100.0%	1152 oz	1164 oz	76 Lb	Done
WATER	31.0 Gal	100.0%	140 Gal	140 Gal	1166 Lb	Done

Ice/Batch @ Lb Water allowed by mix designs: 279 Total Water 233  
Moisture compensation water: 112 Water allowed at jobsite: 26 Gal



1st truck 6000psi  
**Rockville  
FUEL & Facchina  
FEED COMPANY, INC.**

P.O. Box 1707 2-15-11  
Rockville, MD 20849-1707



READY MIXED CONCRETE

**PLANT LOCATIONS:**

Rockville, MD  
College Park, MD  
Columbia, MD

Revs = 170  
OUT Temp = 40°  
CON Temp = 62°  
AIR = 4.5 %  
Slump 6.5"

TAKEN @ 12:25 PM

CAUTION: FRESHLY MIXED CONCRETE MAY CAUSE SKIN IRRITATION. AVOID DIRECT CONTACT WHERE POSSIBLE AND WASH EXPOSED SKIN AREAS PROMPTLY WITH WATER. IF ANY CONCRETE GETS INTO THE EYE, RINSE IMMEDIATELY AND REPEATELY WITH WATER AND GET PROMPT MEDICAL ATTENTION.

KEEP OUT OF REACH OF CHILDREN

301-762-3988  
1-877-847-RMIX

DATE 15-Feb-11 6 CYL MADE

CUSTOMER # 7572 CUSTOMER NAME FACCHINA CONSTRUCTION CO., INC. PROJECT # PROJECT NAME SILVER SPRING TRANSIT CENTER-750

DELIVERY ADDRESS 8404 COLESVILLE ROAD, SILVER SPR MAP LOT/BLOCK P.O. # CUSTOMER JOB NUMBER

INSTRUCTIONS RUL - E/NORBECK, R/GEORGIA AVE, PASS 1-435, R/16th STREET, L/RT 410 (EAST WEST HWY), L/COLESVILLE RD TO JOB ON RIGHT. \*\*\* DRUM ROTATION COUNTER MUST BE WORKING \*\*\* USE WALL SLUMP 6-8"

PLANT TRUCK # 63 DRIVER KEVIN BROWN ORDER # 13 TIME DUE 12:17

LOAD TIME 11:21 AM START POUR ADDITIONAL WATER ADDED TO THIS CONCRETE WILL REDUCE ITS STRENGTH. ANY WATER ADDED IS AT CUSTOMER'S RISK. WATER ADDED ON JOB AT CUSTOMER'S REQUEST GAL. WATER ADDED TO THIS LOAD BY AUTHORITY OF X

LOAD QUANTITY	CUMULATIVE QUANTITY	ORDERED QUANTITY	PRODUCT CODE	PRODUCT DESCRIPTION	UNIT OF MEASURE	UNIT PRICE	AMOUNT
9.00	9.00	18.00	*B1DB2N1	6000 BBS W/A10/HRWR/10'	CY		
NOTE: CUMULATIVE QUANTITY VALUES MAY NOT REFLECT ACTUAL YARDAGE ARRIVED ON JOB							

STONE	1750 LB	1.402					
CON SAND	1740 LB	1.402					
CEM	1	24.002					
WATER	31.003	31.003					
						SUB TOTAL	
						TAX	
						TOTAL	

Wall on line "E" from 10.1 to 12.5, elev. 330' level (1/2 of wall)

I HEREBY AUTHORIZED THE TRUCK (OR TRUCKS) DELIVERY MATERIAL TO THIS JOB TO LEAVE THE ROAD AND DRIVE ONTO PRIVATE PROPERTY AS I DIRECT. IN MAKING THIS AUTHORIZATION I ASSUME RESPONSIBILITY FOR ANY AND ALL DAMAGE THAT MAY BE DONE TO SAID PRIVATE PROPERTY AND TO ANY OTHER PROPERTY ADJACENT TO SAID PROPERTY THAT MAY BE TRESPASSED ON FOLLOWING MY DIRECTIONS. I FURTHER INDEMNIFY ROCKVILLE FUEL & FEED COMPANY, INC. AND THE DRIVER OF THIS TRUCK (THESE TRUCKS) FROM ANY LIABILITY RESULTING FROM THIS AUTHORIZATION.

CUSTOMER ACKNOWLEDGES AND UNDERSTANDS ALL OF TERMS AND CONDITIONS CONTAINED ON BOTH SIDES OF THIS DOCUMENT.

RECEIVED BY: X

CUSTOMER OR AUTHORIZED SIGNATURE

Set # 570  
(2)

THE ROBERT B. BALTER COMPANY

# Silver Spring Transit Center Project

## CONCRETE PLACEMENT CHECKLIST / POUR CARD

PROJECT NUMBER: 16027-0- MD

DATE: 2-15-11

WEATHER: Clear TEMP: Air = 40°  
Concrete = 62°

POUR LOCATION: Wall on line "E" from 10.1 to 12.5  
elevation 330' level (1/2 of wall)

MIX DESIGN: 6000 PSI CUBIC YARDS: 18 cu yds = total placed today

CONVEYANCE METHOD: Crane & Concrete Bucket

PLACEMENT TIME: START: 12:20 PM FINISH: 1:30 PM

DELAYS: \_\_\_\_\_

ACTIONS: \_\_\_\_\_

### BALTER VERIFICATION

✓  
\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

✓  
\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

### CONCRETE AND REINFORCMENT

FORMWORK / SHORING

SUB-GRADE FOR SLABS

FOUNDATION BEARING

REINFORCING STEEL

ELEVATED DECK SLAB

DRILLED PIER/SOLDIER PILE

THE ROBERT B. BALTER COMPANY  
Geotechnical Engineers

18 Music Fair Road  
Owings Mills, Maryland 21117

COMPRESSIVE STRENGTH TEST SPECIMEN DATA

Project: SST Ctr Proj. No.: 16027-0-mb Supplier: Rockville Fuel & Feed Co.  
Client: Montgomery Co. Ticket No.: 94257 Truck No.: 77  
Contractor: Faccina Water-Cement Ratio: .26  
Sample Location: Columns C6 @ 12 ft Mix Number: 8KIDC2NL  
C6 @ 10.8 elevation 330' to 350' level Mix Design: 8000 psi  
Method of Placement: Concrete Pump Time Batched: 12:43 PM  
Slump: 7 inches Batch Size: 10 cu yds  
Water added at site? ☐ Yes, \_\_\_\_\_ gallons ☒ No Date Molded: 2-15-11 Time: 1:35 PM  
Specimen made by: Brian F. A Date Delivered to Lab: \_\_\_\_\_  
Concrete Temperature: 72° °F Unit Weight: \_\_\_\_\_ PCF ☒ N/A  
Air Content: 4.8% ☐ N/A Weather: Clear  
Specimen Set No.: 571 Air Temperature: 40 °F  
Test Req'd: \_\_\_\_\_ At \_\_\_\_\_ Days; 1 At 7 days; \_\_\_\_\_ At 14 Days; 2 At 28 Days; 1 Reserved  
Remarks: Revolutions = 183, 2 = 56 day Breaks

ROCKVILLE FUEL AND FEED  
CLIENT NO.  
Batch Record:

1113000  
1061111

Batch: 1 of 1

Volume: 10.00 yds Mix: 10.00 8KIDC2NL  
Truck: 77 JOHN MFL VIN

Mix Design: 8000 PSI 84 ST (W/10%)  
Truck # 34257  
FACCHINO CONSTRUCTION CO., Inc.  
SILVER SPRING TRANSIT CENTER - 050

W/C+R Ratio: 0.26

Material	Design	Moist	Target	Actual	Pave (10)	Status
STONE 3	1850 lb	1.0%	0.0%	2743 LB	2500 LB	Done
CON. SAND	10000 LB	6.3%	0.0%	7336 LB	3420 LB	Done
CEMENT	550 LB	0.0%		2750 LB	2880 LB	Over
SLAG	300 LB	0.0%		1300 LB	1790 LB	Done
SEA	7.2 oz	100.0%		19 oz	19 oz	Done
WRDA	41.0 oz	100.0%		205 oz	207 oz	Done
SUPER	54.0 oz	100.0%		273 oz	273 oz	Done
PCI	120.0 oz	100.0%		640 oz	640 oz	Done
WATER	32.0 Oz	100.0%		85 Gal	85 Gal	Done

Interbatch 0 lb Water allowed by mix design: 320 Total Water: 207  
Moisture compensation water: 120 Water allowed at jobsite: 30 Gal

183 REVS

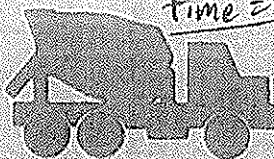
# **Rockville FUEL & FEED COMPANY, INC.**

P.O. Box 1707

Rockville, MD 20849-1707

1st truck 8000

Faechina  
2-15-11



Time = 1:35 PM

3  
Set # 571

READY MIXED CONCRETE

CAUTION: FRESHLY MIXED CONCRETE MAY CAUSE SKIN IRRITATION. AVOID DIRECT CONTACT WHERE POSSIBLE AND WASH EXPOSED SKIN AREAS PROMPTLY WITH WATER. IF ANY CONCRETE GETS INTO THE EYE, RINSE IMMEDIATELY AND REPEATEDLY WITH WATER AND GET PROMPT MEDICAL ATTENTION.

KEEP OUT OF REACH OF CHILDREN

## **PLANT LOCATIONS:**

Rockville, MD  
College Park, MD  
Columbia, MD

301-762-3988  
1-877-847-RMIX

Air 4.8%  
Slump 7.0"  
Temp 72°  
out temp = 40°

DATE  
13-Feb-11

CUSTOMER # 7572 CUSTOMER NAME FAECHINA CONSTRUCTION CO., INC. PROJECT # 7 PROJECT NAME SILVER SPRING TRANSIT CENTER-750

DELIVERY ADDRESS 6054 COLESVILLE ROAD, SILVER SPR MAP LOT/BLOCK P.O. # CUSTOMER JOB NUMBER

INSTRUCTIONS RVL - E/NORBECK, R/GEORGIA AVE., PASS J-495, R/16th STREET, L/RT 410 (EAST-WEST HWY), L/COLESVILLE RD TO JOB ON RIGHT. \*\*\* DRUM ROTATION COUNTER MUST BE WORKING \*\*\*

PEANT TRUCK # 3 DRIVER JOHN MELVIN ORDER # 14 TIME DUE 1:30 PM

LOAD TIME 12:43 PM START POUR ADDITIONAL WATER ADDED TO THIS CONCRETE WILL REDUCE ITS STRENGTH. ANY WATER ADDED IS AT CUSTOMER'S RISK.

ARRIVE JOB SITE 1:00 PM FINISH POUR WATER ADDED ON JOB AT CUSTOMER'S REQUEST GAL. WATER ADDED TO THIS LOAD BY AUTHORITY OF X

LOAD QUANTITY	CUMULATIVE QUANTITY	ORDERED QUANTITY	PRODUCT CODE	PRODUCT DESCRIPTION	UNIT OF MEASURE	UNIT PRICE	AMOUNT
10.00	10.00	10.00	8K10S2NL	8000 PSI #8 ST AIR/100	CY		

STONE#	1850 LB	AEA	*1	7.2 02		SUB TOTAL	
CON SAND	1000 LB	WRDA		41.0 02		TAX	
CEMENT	550 LB	SUPER		54.5 02		TOTAL	
WATER	*1 32.0 02	SLAG		360 LB			

Columns C6 @ 12 & C6 @ 10.8 elev. 330' to 350' level

I HEREBY AUTHORIZED THE TRUCK (OR TRUCKS) DELIVERY MATERIAL TO THIS JOB TO LEAVE THE ROAD AND DRIVE ONTO PRIVATE PROPERTY AS I DIRECT. IN MAKING THIS AUTHORIZATION I ASSUME RESPONSIBILITY FOR ANY AND ALL DAMAGE THAT MAY BE DONE TO SAID PRIVATE PROPERTY AND TO ANY OTHER PROPERTY ADJACENT TO SAID PROPERTY THAT MAY BE TRESPASSED ON FOLLOWING MY DIRECTIONS. I FURTHER INDEMNIFY ROCKVILLE FUEL & FEED COMPANY, INC. AND THE DRIVER OF THIS TRUCK (THESE TRUCKS) FROM ANY LIABILITY RESULTING FROM THIS AUTHORIZATION.

X

183 REVS

CUSTOMER ACKNOWLEDGES AND UNDERSTANDS ALL OF TERMS AND CONDITIONS CONTAINED ON BOTH SIDES OF THIS DOCUMENT.

RECEIVED BY: X

CUSTOMER OR AUTHORIZED SIGNATURE

Set # 571  
3

ROBERT D. BALTER COMPANY

# Silver Spring Transit Center Project

## CONCRETE PLACEMENT CHECKLIST / POUR CARD

PROJECT NUMBER: 16027-0- MD  
DATE: 2-15-11  
WEATHER: Clear TEMP: Air = 40°  
Concrete = 72°  
POUR LOCATION: Columns C6 @ 12 & C6 @ 10.8  
elevation 330' to 350' level  
MIX DESIGN: 8000 PSI CUBIC YARDS: 10 <sup>cu</sup> <sub>yds</sub> = total placed today  
CONVEYANCE METHOD: Crane & Concrete Bucket  
PLACEMENT TIME: START: 1:35 PM FINISH: 2:30 PM  
DELAYS: \_\_\_\_\_  
ACTIONS: \_\_\_\_\_

### BALTER VERIFICATION

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

### CONCRETE AND REINFORCEMENT

FORMWORK / SHORING  
SUB-GRADE FOR SLABS  
FOUNDATION BEARING  
REINFORCING STEEL  
ELEVATED DECK SLAB  
DRILLED PIER/SOLDIER PILE



THE ROBERT B. BALTER COMPANY  
Geotechnical Engineers

18 Music Fair Road  
Owings Mills, Maryland 21117

COMPRESSIVE STRENGTH TEST SPECIMEN DATA

Project: SST Ctr. Proj. No.: 16027-0-MD Supplier: Rockville Fuel & Feed Co.  
Client: Montgomery Co. Ticket No.: 94366 Truck No.: 59  
Contractor: Facchina Water-Cement Ratio: 35  
Sample Location: Parapet wall (knee wall) from Mix Number: \*45K1D2N  
AL@ 10.2 to B-11 330' level elevation Mix Design: 4500 psi  
Method of Placement: Concrete Pump Time Batched: 11:23 AM  
Slump: 4 inches Batch Size: 8 cu yds  
Water added at site? ☒ Yes, 10 gallons ☐ No Date Molded: 2-17-11 Time: 12:20 PM  
Specimen made by: Brian F. A Date Delivered to Lab: \_\_\_\_\_  
Concrete Temperature: 78° °F Unit Weight: \_\_\_\_\_ PCF ☒ N/A  
Air Content: 4.5% ☐ N/A Weather: clear  
Specimen Set No.: 572 Air Temperature: 64° °F  
Test Req'd: At \_\_\_\_\_ Days; 1 At 7 days; \_\_\_\_\_ At 14 Days; 2 At 28 Days; 1 Reserved  
Remarks: Revolutions = 198, 2 = 56 day Breaks

ROCKVILLE FUEL AND FEED  
PLANT #1 & #2

17Feb11  
11:23AM

Flop Gate:.. DRY  
Batch:.. 1 of 1

Volume: 0.00 yd3 Mix ID: \*45K1D2N  
Truck #:.. 59 CLIFFORD JETER

Mix Descr: 4500 PSI W/AIR/WR/1DCI  
Ticket # 94366  
FACCHINA CONSTRUCTION CO., INC.  
SILVER SPRING TRANSIT CENTER-750

W/(C+P) Ratio: 0.35

Material	Design	Moist	Target	Actual	Free H2O	Status
CON SAND	1166 Lb	7.1%	10041 Lb	10060 Lb	713 Lb	Done
STONE	1750 Lb	0.6%	14065 Lb	14080 Lb	85 Lb	Done
CEMENT	423 Lb	0.0%	3384 Lb	3380 Lb	0 Lb	Done
SLAG	282 Lb	0.0%	2256 Lb	2280 Lb	0 Lb	Done
AEA	*1 6.0 oz	100.0%	24 oz	25 oz	2 Lb	Done
DCI	128.0 oz	100.0%	1024 oz	1056 oz	69 Lb	Done
WRDA	21.0 oz	0.0%	168 oz	167 oz	0 Lb	Done
WATER	*1 33.2 Gal	100.0%	138 Gal	137 Gal	1141 Lb	Done

Ice/Batch 0 Lb Water allowed by mix design: 265 Total Water 241  
Moisture compensation water: 105 Water allowed at jobsite: 24 Gal

1ST TRUCK 4500psi  
**ROCKVILLE  
FUEL & Facchina  
FEED COMPANY, INC.**

READY MIXED CONCRETE



CAUTION: FRESHLY MIXED CONCRETE MAY CAUSE SKIN IRRITATION. AVOID DIRECT CONTACT WHERE POSSIBLE AND WASH EXPOSED SKIN AREAS PROMPTLY WITH WATER. IF ANY CONCRETE GETS INTO THE EYE, RINSE IMMEDIATELY AND REPEATEDLY WITH WATER AND GET PROMPT MEDICAL ATTENTION.

KEEP OUT OF REACH OF CHILDREN

P.O. Box 1707 2-17-11  
Rockville, MD 20849-1707

**PLANT LOCATIONS:**

Rockville, MD  
College Park, MD  
Columbia, MD

301-762-3988  
1-877-847-RMIX

DATE  
17 Feb-11

CUSTOMER #  
7372

CUSTOMER NAME

FACCHINA CONSTRUCTION CO., INC.

PROJECT #

3

PROJECT NAME

SILVER SPRING TRANSIT CENTER 750

DELIVERY ADDRESS

8404 COLESVILLE ROAD, SILVER SPR

MAP

LOT/BLOCK

P.O. #

CUSTOMER JOB NUMBER

**INSTRUCTIONS**

RUL E/NURBECK, R/GEORGIA AVE., PASS 1-495, R/16th STREET,  
L/RT. 410 (EAST-WEST HWY), L/COLESVILLE RD TO JOB ON RIGHT  
\*\*\* DRUM ROTATION COUNTER MUST BE WORKING \*\*\*

USE

WALL

SLUMP

3-4"

PLANT

TRUCK #

DRIVER

CLIFFORD JETER

ORDER #

33

TIME DUE

12:07

LOAD TIME

11:20 AM

START POUR

ADDITIONAL WATER ADDED TO THIS CONCRETE WILL REDUCE ITS STRENGTH.  
ANY WATER ADDED IS AT CUSTOMER'S RISK.

ARRIVE JOB SITE

FINISH POUR

WATER ADDED ON JOB AT CUSTOMER'S REQUEST

GAL.

WATER ADDED TO THIS LOAD BY AUTHORITY OF X

LOAD QUANTITY	CUMULATIVE QUANTITY	ORDERED QUANTITY	PRODUCT CODE	PRODUCT DESCRIPTION	UNIT OF MEASURE	UNIT PRICE	AMOUNT
8.00	8.00	8.00	#45K10 N	4500 PSI W/AIR/WR/DCI	CY		

NOTE: CUMULATIVE QUANTITY VALUES MAY NOT REFLECT ACTUAL YARDS ARRIVED ON JOB.

CON SAND 1166 Lb AEA \*1 5.002  
STONE 1750 Lb DCI 128.002  
CEMENT 423 Lb WRDA 21.002  
WATER 33.2 Ga  
SLAG 282 Lb

SUB TOTAL

TAX

TOTAL

Parapet wall (knee wall) @ 330' elevation level  
from A1 @ 10.2 to B-11

I HEREBY AUTHORIZED THE TRUCK (OR TRUCKS) DELIVERY MATERIAL TO THIS JOB TO LEAVE THE ROAD AND DRIVE ONTO PRIVATE PROPERTY AS I DIRECT. IN MAKING THIS AUTHORIZATION I ASSUME RESPONSIBILITY FOR ANY AND ALL DAMAGE THAT MAY BE DONE TO SAID PRIVATE PROPERTY AND TO ANY OTHER PROPERTY ADJACENT TO SAID PROPERTY THAT MAY BE TRESPASSED ON FOLLOWING MY DIRECTIONS. I FURTHER INDEMNIFY ROCKVILLE FUEL & FEED COMPANY, INC. AND THE DRIVER OF THIS TRUCK (THESE TRUCKS) FROM ANY LIABILITY RESULTING FROM THIS AUTHORIZATION.

X

CUSTOMER ACKNOWLEDGES AND UNDERSTANDS ALL OF TERMS AND CONDITIONS CONTAINED ON BOTH SIDES OF THIS DOCUMENT.

RECEIVED BY: X

CUSTOMER OR AUTHORIZED SIGNATURE



Set B  
572  
①

THE ROBERT B. BALTER COMPANY

# Silver Spring Transit Center Project

## CONCRETE PLACEMENT CHECKLIST / POUR CARD

PROJECT NUMBER: 16027-0- MD

DATE: 2-17-11

WEATHER: Clear TEMP: Air = 64°  
Concrete = 78°

POUR LOCATION: Parapet (knee wall) elevation 330'  
level from A1 @ 10.2 to B-11

MIX DESIGN: 4500 PSI CUBIC YARDS: 8 cu yds = total placed today

CONVEYANCE METHOD: Concrete Bucket & Forklift

PLACEMENT TIME: START: 12:30 FINISH: 1:30 pm

DELAYS: \_\_\_\_\_

ACTIONS: \_\_\_\_\_

### BALTER VERIFICATION

\_\_\_\_\_  
✓

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_  
✓

\_\_\_\_\_

\_\_\_\_\_

### CONCRETE AND REINFORCEMENT

FORMWORK / SHORING

SUB-GRADE FOR SLABS

FOUNDATION BEARING

REINFORCING STEEL

ELEVATED DECK SLAB

DRILLED PIER/SOLDIER PILE

①

## COMPRESSIVE STRENGTH TEST SPECIMEN DATA

Supplier: Rockville Fuel & Feed Co.

Ticket No.: 94555 Truck No.: 59

Water-Cement Ratio: .32

Mix Number: \*8052NL 1

Mix Design: 4000 psi required / 6000 = vs.

Time Batched: 11:16 AM /

Batch Size: 7 cu yds

Date Molded: 2-21-11 Time: 12:30 PM

Date Delivered to Lab: \_\_\_\_\_

Unit Weight: PCF ☒ N/A

Weather: Overcast

Air Temperature: 450 °F

At 14 Days: 2 At 28 Days: 1 Reserved

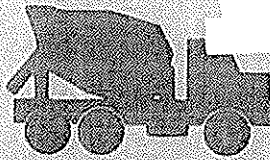
1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840.

P.O. Box 1, 5000 F. Rd. St. Anthony  
 Level II 04000  
 FIDELITY CONSTRUCTION CO., INC.  
 SILVER SPRING, MARYLAND 20910-7202

| Ice/Water | Ice/Water | Water allowed by max design | 224 | Total Water | 201 |
|-----------|-----------|-----------------------------|-----|-------------|-----|
| Ice/Water | Ice/Water | Water allowed by max design | 224 | Total Water | 201 |

# ROCKVILLE FUEL & FEED COMPANY, INC.

P.O. Box 1707  
Rockville, MD 20849-1707



READY MIXED CONCRETE

CAUTION: FRESHLY MIXED CONCRETE MAY CAUSE SKIN IRRITATION. AVOID DIRECT CONTACT WHERE POSSIBLE AND WASH EXPOSED SKIN AREAS PROMPTLY WITH WATER. IF ANY CONCRETE GETS INTO THE EYE, RINSE IMMEDIATELY AND REPEATEDLY WITH WATER AND GET PROMPT MEDICAL ATTENTION.

KEEP OUT OF REACH OF CHILDREN

## PLANT LOCATIONS:

Rockville, MD  
College Park, MD  
Columbia, MD

301-762-3988  
1-877-847-RMIX

DATE

21 Feb 11

CUSTOMER #

CUSTOMER NAME

PROJECT #

PROJECT NAME

DELIVERY ADDRESS

MAP

LOT/BLOCK

P.O. #

CUSTOMER JOB NUMBER

INSTRUCTIONS

RVL - E/NURBECK, W/GEORGIA AVE., PADS 1-495, W/16th STREET,  
L/RT 410 (EAST-WEST HWY), L/COLESVILLE RD TO JOB ON RIGHT.  
\*\*\* DRUM ROTATION COUNTER MUST BE WORKING \*\*\*

USE

GRD BEAM

SLUMP

6-B

PLANT

TRUCK #

DRIVER

ORDER #

TIME DUE

12:11

LOAD TIME

11:16AM

START POUR

ADDITIONAL WATER ADDED TO THIS CONCRETE WILL REDUCE ITS STRENGTH. ANY WATER ADDED IS AT CUSTOMER'S RISK.

ARRIVE JOB SITE

FINISH POUR

WATER ADDED ON JOB AT CUSTOMER'S REQUEST

GAL.

WATER ADDED TO THIS LOAD BY AUTHORITY OF X

| LOAD QUANTITY  | CUMULATIVE QUANTITY | ORDERED QUANTITY | PRODUCT CODE | PRODUCT DESCRIPTION   | UNIT OF MEASURE | UNIT PRICE | AMOUNT |
|--|---------------------|------------------|--------------|-----------------------|-----------------|------------|--------|
| 7.00   | 7.00                | 14.00            | W80STENL     | 5000 8 BS ST W/ATR/HW | CY              |            |        |
| NOTE: CUMULATIVE QUANTITY VALUES MAY NOT REFLECT ACTUAL YARDAGE APPROVED ON JOB. |                     |                  |              |                       |                 |            |        |

STONE 1750 Lb REA #1 3.0 oz  
CON SAND 1174 Lb SUPER 38.0 oz  
CEMENT 451 Lb WADA 24.0 oz  
WATER #1 32.0 Ga SLAG 301 Lb

SUB TOTAL

TAX

TOTAL

170 NE wall ftg. from approx. 11.5 to 12.5 line, 330' elevation

I HEREBY AUTHORIZED THE TRUCK (OR TRUCKS) DELIVERY MATERIAL TO THIS JOB TO LEAVE THE ROAD AND DRIVE ONTO PRIVATE PROPERTY AS I DIRECT. IN MAKING THIS AUTHORIZATION I ASSUME RESPONSIBILITY FOR ANY AND ALL DAMAGE THAT MAY BE DONE TO SAID PRIVATE PROPERTY AND TO ANY OTHER PROPERTY ADJACENT TO SAID PROPERTY THAT MAY BE TRESPASSED ON FOLLOWING MY DIRECTIONS. I FURTHER INDEMNIFY ROCKVILLE FUEL & FEED COMPANY, INC. AND THE DRIVER OF THIS TRUCK (THESE TRUCKS) FROM ANY LIABILITY RESULTING FROM THIS AUTHORIZATION.

X

CUSTOMER ACKNOWLEDGES AND UNDERSTANDS ALL OF TERMS AND CONDITIONS CONTAINED ON BOTH SIDES OF THIS DOCUMENT.

RECEIVED BY: X

CUSTOMER OR AUTHORIZED SIGNATURE

Set # 590

THE ROBERT B. BALTER COMPANY

①

# Silver Spring Transit Center Project

## CONCRETE PLACEMENT CHECKLIST / POUR CARD

PROJECT NUMBER: 16027-0- MD

DATE: 2-21-11

WEATHER: Overcast

Air = 45°  
TEMP: Concrete = 63°

POUR LOCATION: NE wall ftg. from approx. 11.5 to 12.5 line, approx. elevation 330' level

MIX DESIGN: 4000 = psi  
6000 = psi PSI CUBIC YARDS: 14 cu yds = total placed today

CONVEYANCE METHOD: Crane & Concrete Bucket

PLACEMENT TIME: START: 12:40 PM FINISH: 1:30 PM

DELAYS: \_\_\_\_\_

ACTIONS: \_\_\_\_\_

### BALTER VERIFICATION

☒ \_\_\_\_\_

\_\_\_\_\_

☒ \_\_\_\_\_

☒ \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

### CONCRETE AND REINFORCEMENT

FORMWORK / SHORING

SUB-GRADE FOR SLABS

FOUNDATION BEARING

REINFORCING STEEL

ELEVATED DECK SLAB

DRILLED PIER/SOLDIER PILE

THE ROBERT B. BALTER COMPANY  
Geotechnical Engineers

18 Music Fair Road  
Owings Mills, Maryland 21117

COMPRESSIVE STRENGTH TEST SPECIMEN DATA

Project: SST Ctr Proj. No.: 16027-0-MD Supplier: Rockville Fuel & Feed Co.  
Client: Montgomery Co. Ticket No.: 94583 Truck No.: 65  
Contractor: Faccina Water-Cement Ratio: .37  
Sample Location: Parapet (Knee wall) from Mix Number: \*45KID2N  
A-10 to A1-10.2 and from A-7 to A-8 330' level Mix Design: 4500 psi  
Method of Placement: Concrete Pump Time Batched: 8:00 AM  
Slump: 4 inches Batch Size: 10 cu yds  
Water added at site? ☒ Yes, 12 gallons ☐ No Date Molded: 2-22-11 Time: 9:45 AM  
Specimen made by: Brian F. A. Date Delivered to Lab: \_\_\_\_\_  
Concrete Temperature: 62.0 °F Unit Weight: \_\_\_\_\_ PCF ☒ N/A  
Air Content: 5.2% ☐ N/A Weather: Partly Cloudy  
Specimen Set No.: 591 Air Temperature: 34 °F  
Test Req'd: \_\_\_\_\_ At \_\_\_\_\_ Days; 1 At 7 days; \_\_\_\_\_ At 14 Days; 2 At 28 Days; 1 Reserved  
Remarks: Revolutions = 199, 2 = 56 day Breaks

MATERIALS AND METHOD

Plant No.

Batch Records

Concrete, 10.00 yds  
Truck No. 65

Water, 12.00 gal  
Manual Control

Test Results: 4500 psi  
FACCHINA CONSTRUCTION CO., INC.  
311 AIR MARINE CIRCLE, CENTR 752

Concrete, 10.00 yds

| Material  | Design   | Batch  | Target | Actual   | Test No. | Status |
|-----------|----------|--------|--------|----------|----------|--------|
| CEMENT    | 1700 LB  | 0.0%   | 0.0%   | 1700 LB  | 1700 LB  | Done   |
| CON. SAND | 1150 LB  | 0.0%   | 0.0%   | 1150 LB  | 1150 LB  | Done   |
| CEMENT    | 420 LB   | 0.0%   | 0.0%   | 420 LB   | 420 LB   | Done   |
| CEMENT    | 202 LB   | 0.0%   | 0.0%   | 202 LB   | 202 LB   | Done   |
| GRS       | 6.2 oz   | 100.0% | 100.0% | 6.2 oz   | 6.2 oz   | Done   |
| OC1       | 120.0 oz | 100.0% | 100.0% | 120.0 oz | 120.0 oz | Done   |
| MRD       | 21.0 oz  | 100.0% | 100.0% | 21.0 oz  | 21.0 oz  | Done   |
| WATER     | 23.2 Gal | 100.0% | 100.0% | 23.2 Gal | 23.2 Gal | Done   |

Revolutions: 199, 2 = 56 day Breaks  
Total Material: 412  
Total Water: 110



2-22-11  
**ROCKVILLE  
FUEL & FEED COMPANY, INC.**

READY MIXED CONCRETE



CAUTION: FRESHLY MIXED CONCRETE MAY CAUSE SKIN IRRITATION. AVOID DIRECT CONTACT WHERE POSSIBLE AND WASH EXPOSED SKIN AREAS PROMPTLY WITH WATER. IF ANY CONCRETE GETS INTO THE EYE, RINSE IMMEDIATELY AND REPEATEDLY WITH WATER AND GET PROMPT MEDICAL ATTENTION.

KEEP OUT OF REACH OF CHILDREN

P.O. Box 1707  
Rockville, MD 20849-1707

PLANT LOCATIONS:

Rockville, MD  
College Park, MD  
Columbia, MD

301-762-3988  
1-877-847-RMIX

DATE

22-Feb-11

CUSTOMER #  
7372

CUSTOMER NAME

FACCHINA CONSTRUCTION CO., INC.

PROJECT #

PROJECT NAME

SILVER SPRING TRANSIT CENTER-750

DELIVERY ADDRESS

6404 COLESVILLE ROAD, SILVER SPR

MAP

LOT/BLOCK

P.O. #

CUSTOMER JOB NUMBER

INSTRUCTIONS

R/L E/NORBECK, R/GEORGIA AVE., PASS 1-495, R/16th STREET,  
L/R/410 (EAST-WEST HWY), L/COLESVILLE RD TO JOB ON RIGHT.  
\*\*\* DRUM ROTATION COUNTER MUST BE WORKING \*\*\*

USE

SLAB

SLUMP

4

PLANT

TRUCK #

DRIVER

65 MARSHALL CRAWFORD

ORDER #

TIME/DUE

08:41

LOAD TIME

8:00AM

START POUR

ADDITIONAL WATER ADDED TO THIS CONCRETE WILL REDUCE ITS STRENGTH.  
ANY WATER ADDED IS AT CUSTOMER'S RISK.

ARRIVE JOB SITE

FINISH POUR

WATER ADDED ON JOB AT CUSTOMER'S REQUEST

GAL

WATER ADDED TO THIS LOAD BY AUTHORITY OF X

| LOAD QUANTITY  | CUMULATIVE QUANTITY | ORDERED QUANTITY | PRODUCT CODE | PRODUCT DESCRIPTION   | UNIT OF MEASURE | UNIT PRICE | AMOUNT |
|--|---------------------|------------------|--------------|-----------------------|-----------------|------------|--------|
| 10.00  | 10.00               | 10.00            | 45K102N      | 4500 PSI W/AIR/W/10CI | CY              |            |        |
| NOTE: CUMULATIVE QUANTITY VALUES MAY NOT REFLECT ACTUAL YARDAGE ARRIVED ON JOB |                     |                  |              |                       |                 |            |        |

STONE 1750 LB AEA 31 6.0 02  
CON SAND 1166 LB DCI 128.0 02  
CEMENT 423 LB WRDC 21.0 02  
WATER 41 33.2 Ga SLAB 282 Lb

SUB TOTAL  
TAX  
TOTAL

Parapet (Knee wall) from A-10 to A1-10.2 & from A-7 to A-8, 330' level

I HEREBY AUTHORIZED THE TRUCK (OR TRUCKS) DELIVERY MATERIAL TO THIS JOB TO LEAVE THE ROAD AND DRIVE ONTO PRIVATE PROPERTY AS I DIRECT. IN MAKING THIS AUTHORIZATION I ASSUME RESPONSIBILITY FOR ANY AND ALL DAMAGE THAT MAY BE DONE TO SAID PRIVATE PROPERTY AND TO ANY OTHER PROPERTY ADJACENT TO SAID PROPERTY THAT MAY BE TRESPASSED ON FOLLOWING MY DIRECTIONS. I FURTHER INDEMNIFY ROCKVILLE FUEL & FEED COMPANY, INC. AND THE DRIVER OF THIS TRUCK (THESE TRUCKS) FROM ANY LIABILITY RESULTING FROM THIS AUTHORIZATION.

X

CUSTOMER ACKNOWLEDGES AND UNDERSTANDS ALL OF TERMS AND CONDITIONS CONTAINED ON BOTH SIDES OF THIS DOCUMENT.

RECEIVED BY: X

CUSTOMER OR AUTHORIZED SIGNATURE

Set # 591

①

THE ROBERT B. BALTER COMPANY

# Silver Spring Transit Center Project

## CONCRETE PLACEMENT CHECKLIST / POUR CARD

PROJECT NUMBER: 16027-0- MD

DATE: 2-22-11

WEATHER: Partly Cloudy TEMP: Air = 34°  
Concrete = 62°

POUR LOCATION: Parapet (Knee wall) from A-10 to A1-10.2  
and from A-7 to A-8, approx. 330' level

MIX DESIGN: 4,500 PSI CUBIC YARDS: 10<sup>cu</sup> yds total placed today

CONVEYANCE METHOD: Forklift & Concrete Bucket

PLACEMENT TIME: START: 9:55AM FINISH: 11:00AM

DELAYS: \_\_\_\_\_

ACTIONS: \_\_\_\_\_

### BALTER VERIFICATION

✓

\_\_\_\_\_

\_\_\_\_\_

✓

\_\_\_\_\_

\_\_\_\_\_

### CONCRETE AND REINFORCEMENT

FORMWORK / SHORING

SUB-GRADE FOR SLABS

FOUNDATION BEARING

REINFORCING STEEL

ELEVATED DECK SLAB

DRILLED PIER/SOLDIER PILE



THE ROBERT B. BALTER COMPANY  
Geotechnical Engineers

18 Music Fair Road  
Owings Mills, Maryland 21117

### COMPRESSIVE STRENGTH TEST SPECIMEN DATA

Project: SST Proj. No.: 16027-0-MD Supplier: R.F.F.  
Client: MONTGOMERY COUNTY Ticket No.: 94717 Truck No.: 59  
Contractor: FACCHINA Water-Cement Ratio: 0.27  
Sample Location: Wall (with column) 330' Mix Number: 8K1DC2NL  
level from approx. C1-11 to approx. 11.6 line Mix Design: 8000PSI  
Method of Placement: PUMP TRUCK Time Batched: 8:45AM  
Slump: 6 3/4" inches Batch Size: 10 cu yds  
Water added at site? ☐ Yes, \_\_\_\_\_ gallons ☒ No Date Molded: 2-24-11 Time: 9:51AM  
Specimen made by: BRIAN F / TOM W Date Delivered to Lab: \_\_\_\_\_  
Concrete Temperature: 63° °F Unit Weight: \_\_\_\_\_ PCF ☒ N/A  
Air Content: 4.5% ☐ N/A Weather: CLOUDY  
Specimen Set No.: 592 Air Temperature: 36° °F  
Test Req'd: \_\_\_\_\_ At \_\_\_\_\_ Days; 1 At 7 days; \_\_\_\_\_ At 14 Days; 2 At 28 Days; 1 Reserved  
Remarks: 2 = 56 DAYS, Revs = 163

ROCKVILLE FUEL AND FEED  
PLANT #1 & #2

24Feb11  
8:48AM

Flop Gate: . . . WET  
Batch: 2 of 2

Volume: 10.00 yd3 Mix ID: 8K1DC2NL  
Truck #: . . . 59 CLIFFORD JETER

Mix Desc: .8000 PSI #8 ST AIR/1DCI  
Ticket # 94717  
FACCHINA CONSTRUCTION CO., INC.  
SILVER SPRING TRANSIT CENTER-750

W/(C+P) Ratio: 0.27

| Material | Design   | Moist     | Target  | Actual  | Free H2O | Status |
|----------|----------|-----------|---------|---------|----------|--------|
| CON SAND | 1000 Lb  | 7.2% 0.0% | 5388 Lb | 5340 Lb | 388 Lb   | Done   |
| STONE8   | 1850 Lb  | 0.5% 0.0% | 9296 Lb | 9320 Lb | 46 Lb    | Done   |
| CEMENT   | 550 Lb   | 0.0%      | 2750 Lb | 2760 Lb | 0 Lb     | Done   |
| SLAG     | 360 Lb   | 0.0%      | 1800 Lb | 1850 Lb | 0 Lb     | Over   |
| AEA *1   | 7.2 oz   | 100.0%    | 18 oz   | 18 oz   | 1 Lb     | Done   |
| WRDA     | 41.0 oz  | 0.0%      | 205 oz  | 205 oz  | 0 Lb     | Done   |
| SUPER    | 54.6 oz  | 100.0%    | 273 oz  | 272 oz  | 18 Lb    | Done   |
| DCI      | 120.0 oz | 100.0%    | 640 oz  | 672 oz  | 44 Lb    | Done   |
| WATER *1 | 32.0 Gal | 100.0%    | 86 Gal  | 91 Gal  | 758 Lb   | Over   |

Ice/Batch 0 Lb Water allowed by mix design: 320 Total Water 298  
Moisture compensation water: 119 Water allowed at jobsite: 22 Gal

# Rockville FUEL & FEED COMPANY, INC.

P.O. Box 1707 2-24-11  
Rockville, MD 20849-1707

READY MIXED CONCRETE

## PLANT LOCATIONS:

Rockville, MD  
College Park, MD  
Columbia, MD

CAUTION: FRESHLY MIXED CONCRETE MAY CAUSE SKIN IRRITATION. AVOID DIRECT CONTACT WHERE POSSIBLE AND WASH EXPOSED SKIN AREAS PROMPTLY WITH WATER. IF ANY CONCRETE GETS INTO THE EYE, RINSE IMMEDIATELY AND REPEATEDLY WITH WATER AND GET PROMPT MEDICAL ATTENTION.

KEEP OUT OF REACH OF CHILDREN

301-762-3988  
1-877-847-RMIX

DATE: 24-Feb-11 6 CLK MADE Revs = 163  
TICKET # 3478

CUSTOMER # 7572 CUSTOMER NAME FAUCHINA CONSTRUCTION CO., INC. PROJECT # 3 PROJECT NAME SILVER SPRING TRANSIT CENTER-750

DELIVERY ADDRESS 8404 COLESVILLE ROAD, SILVER SPR MAP LOT/BLOCK P.O. # CUSTOMER JOB NUMBER

INSTRUCTIONS: RV: 1/2 NORBECK, R/GEORGIA AVE., PASS 1-425, R/1640 STREET, 1/2 RT 430 (EAST-WEST HWY), 1/2 COLESVILLE RD TO JOB ON RIGHT. \*\*\* DRUM ROTATION COUNTER MUST BE WORKING \*\*\*

PLANT 1 TRUCK # 55 DRIVER CLIFFORD JETER ORDER # 7 TIME DUE 8:45

LOAD TIME 8:45AM START POUR ADDITIONAL WATER ADDED TO THIS CONCRETE WILL REDUCE ITS STRENGTH. ANY WATER ADDED IS AT CUSTOMER'S RISK. WATER ADDED ON JOB AT CUSTOMER'S REQUEST GAL. WATER ADDED TO THIS LOAD BY AUTHORITY OF X

| LOAD QUANTITY   | CUMULATIVE QUANTITY | ORDERED QUANTITY | PRODUCT CODE | PRODUCT DESCRIPTION     | UNIT OF MEASURE | UNIT PRICE | AMOUNT |
|---|---------------------|------------------|--------------|-------------------------|-----------------|------------|--------|
| 10.00   | 10.00               | 60.00            | 8K1DC2NL     | 8000 PSI #4 ST AIR/1000 | CY              |            |        |
| NOTE: CUMULATIVE QUANTITY VALUES MAY NOT REFLECT ACTUAL YARDS ARRIVED ON JOB. |                     |                  |              |                         |                 |            |        |

CON SAND 1000 LB AEA #1 7.2 oz  
STONEB 1850 LB WRDA 41.0 oz  
CEMENT 550 LB SUPER 54.6 oz  
WATER #1 32.0 Ga DCI 128.0 oz

SUB TOTAL  
TAX  
TOTAL

87.10

SLAB 360 LB

I HEREBY AUTHORIZED THE TRUCK (OR TRUCKS) DELIVERY MATERIAL TO THIS JOB TO LEAVE THE ROAD AND DRIVE ONTO PRIVATE PROPERTY AS I DIRECT. IN MAKING THIS AUTHORIZATION I ASSUME RESPONSIBILITY FOR ANY AND ALL DAMAGE THAT MAY BE DONE TO SAID PRIVATE PROPERTY AND TO ANY OTHER PROPERTY ADJACENT TO SAID PROPERTY THAT MAY BE TRESPASSED ON FOLLOWING MY DIRECTIONS. I FURTHER INDEMNIFY ROCKVILLE FUEL & FEED COMPANY, INC. AND THE DRIVER OF THIS TRUCK (THESE TRUCKS) FROM ANY LIABILITY RESULTING FROM THIS AUTHORIZATION.

Wall 330' level from C1-11 to approx. 11.6 line (with column)  
CUSTOMER ACKNOWLEDGES AND UNDERSTANDS ALL OF TERMS AND CONDITIONS CONTAINED ON BOTH SIDES OF THIS DOCUMENT.

RECEIVED BY: X

CUSTOMER OR AUTHORIZED SIGNATURE

Set #  
592

# Silver Spring Transit Center Project

①

## CONCRETE PLACEMENT CHECKLIST / POUR CARD

PROJECT NUMBER: 16027-0- MD

DATE: 2-24-11

WEATHER: CLOUDY TEMP: Air = 36°  
Concrete = 63°

POUR LOCATION: Wall (with column) 330' level from approx.  
C1-11 to 11.6 line

MIX DESIGN: 8000 PSI CUBIC YARDS: 60 cu yds = total placed today

CONVEYANCE METHOD: Pump Truck

PLACEMENT TIME: START: 10:01 AM FINISH: 12:15 PM

DELAYS: \_\_\_\_\_

ACTIONS: \_\_\_\_\_

### BALTER VERIFICATION

✓

\_\_\_\_\_

\_\_\_\_\_

✓

\_\_\_\_\_

\_\_\_\_\_

### CONCRETE AND REINFORCEMENT

FORMWORK / SHORING

SUB-GRADE FOR SLABS

FOUNDATION BEARING

REINFORCING STEEL

ELEVATED DECK SLAB

DRILLED PIER/SOLDIER PILE

**THE ROBERT B. BALTER COMPANY**  
Geotechnical Engineers

18 Music Fair Road  
Owings Mills, Maryland 21117

**COMPRESSIVE STRENGTH TEST SPECIMEN DATA**

Project: SST Proj. No.: 160270 MD Supplier: R.F.F.  
Client: MONTGOMERY COUNTY Ticket No.: 94725 Truck No.: 53  
Contractor: FACCHINA Water-Cement Ratio: 0.27  
Sample Location: Wall (with column) 330' Mix Number: 8K1DC2NL  
level from approx. C1-11 to approx. 11.6 line Mix Design: 8000 PSI  
Method of Placement: PUMP TRUCK Time Batched: 9:49 AM  
Slump: 6.5" inches Batch Size: 10 cu yds  
Water added at site? ☐ Yes, \_\_\_\_\_ gallons ☒ No Date Molded: 2-24-11 Time: 10:30 AM  
Specimen made by: BRIAN F / TOM W Date Delivered to Lab: \_\_\_\_\_  
Concrete Temperature: 63° °F Unit Weight: \_\_\_\_\_ PCF ☒ N/A  
Air Content: 4.7% ☐ N/A Weather: CLOUDY  
Specimen Set No.: 593 Air Temperature: 39° °F  
Test Req'd: \_\_\_\_\_ At \_\_\_\_\_ Days; 1 At 7 days; \_\_\_\_\_ At 14 Days; 2 At 28 Days; 1 Reserved  
Remarks: 2 = 56 DAYS, Revs = 150

ROCKVILLE FUEL AND FEED  
PLANT #1 & #2

24Feb11  
9:49AM

Flop Gate:.. WET  
Batch:.. 2 of 2

Volume: 10.00 yd3 Mix ID: 8K1DC2NL  
Truck #:... 53 KINGSLEY A1000

Mix Desc: 8000 PSI #8 ST AIR/1DC1  
Ticket # 94725  
FACCHINA CONSTRUCTION CO., INC.  
SILVER SPRING TRANSIT CENTER-750

W/(C+P) Ratio: 0.27

| Material | Design   | Moist     | Target  | Actual  | Free H2O | Status |
|----------|----------|-----------|---------|---------|----------|--------|
| CON SAND | 1000 Lb  | 6.3% 0.0% | 5336 Lb | 5320 Lb | 336 Lb   | Done   |
| STONE#   | 1850 Lb  | 0.5% 0.0% | 9296 Lb | 9280 Lb | 46 Lb    | Done   |
| CEMENT   | 550 Lb   | 0.0%      | 2750 Lb | 2770 Lb | 0 Lb     | Done   |
| SLAG     | 360 Lb   | 0.0%      | 1800 Lb | 1810 Lb | 0 Lb     | Done   |
| AEA *1   | 7.2 oz   | 100.0%    | 18 oz   | 19 oz   | 1 Lb     | Done   |
| WRDA     | 41.0 oz  | 0.0%      | 205 oz  | 204 oz  | 0 Lb     | Done   |
| SUPER    | 54.6 oz  | 100.0%    | 273 oz  | 272 oz  | 10 Lb    | Done   |
| DCI      | 120.0 oz | 100.0%    | 640 oz  | 672 oz  | 44 Lb    | Done   |
| WATER *1 | 32.0 Gal | 100.0%    | 92 Gal  | 98 Gal  | 816 Lb   | Over   |

Ice/Batch 0 Lb Water allowed by mix design: 320 Total Water 300  
Moisture compensation water: 105 Water allowed at jobsite: 20 Gal



# **Rockville FUEL & FEED COMPANY, INC.**

P.O. Box 1707 \* 2-24-11  
Rockville, MD 20849-1707



READY MIXED CONCRETE

## **PLANT LOCATIONS:**

Rockville, MD  
College Park, MD  
Columbia, MD

CAUTION: FRESHLY MIXED CONCRETE MAY CAUSE SKIN IRRITATION. AVOID DIRECT CONTACT WHERE POSSIBLE AND WASH EXPOSED SKIN AREAS PROMPTLY WITH WATER. IF ANY CONCRETE GETS INTO THE EYE, RINSE IMMEDIATELY AND REPEATEDLY WITH WATER AND GET PROMPT MEDICAL ATTENTION.

KEEP OUT OF REACH OF CHILDREN

301-762-3988

1-877-847-RMIX

DATE  
24-Feb-11

CUSTOMER #  
7572

CUSTOMER NAME

FACCHINA CONSTRUCTION CO., INC.

PROJECT #

3

PROJECT NAME

SILVER SPRING TRANSIT CENTER-750

DELIVERY ADDRESS

8404 COLESVILLE ROAD, SILVER SPR

MAP

LOT/BLOCK

P.O. #

CUSTOMER JOB NUMBER

INSTRUCTIONS

RVL - E/NORBECK, R/GEORGIA AVE., PASS I-495, R/16th STREET,  
L/RT. 410 (EAST-WEST HWY), L/COLESVILLE RD TO JOB ON RIGHT.

\*\*\* DRUM ROTATION COUNTER MUST BE WORKING \*\*\*

PLANT

TRUCK #

DRIVER

KINGSLEY AIDOO

ORDER #

7

TIME DUE

10:37

LOAD TIME

9:49AM

START POUR

ADDITIONAL WATER ADDED TO THIS CONCRETE WILL REDUCE ITS STRENGTH.  
ANY WATER ADDED IS AT CUSTOMER'S RISK.

ARRIVE JOB SITE

FINISH POUR

WATER ADDED ON JOB AT CUSTOMER'S REQUEST

GAL

WATER ADDED TO THIS LOAD BY AUTHORITY OF X

| LOAD QUANTITY   | CUMULATIVE QUANTITY | ORDERED QUANTITY | PRODUCT CODE | PRODUCT DESCRIPTION     | UNIT OF MEASURE | UNIT PRICE | AMOUNT |
|---|---------------------|------------------|--------------|-------------------------|-----------------|------------|--------|
| 10.00   | 40.00               | 50.00            | 8M1002NL     | 8000 PSI 48 BT AIR/1001 | CY              |            |        |
| Drum Count - 150  |                     |                  |              |                         |                 |            |        |
| NOTE: CUMULATIVE QUANTITY VALUES MAY NOT REFLECT ACTUAL YARDS ARRIVED ON JOB. |                     |                  |              |                         |                 |            |        |

CON SAND 1000 LB AEA \*1 7.2 oz  
STONES 1850 LB WRDA 41.0 oz  
CEMENT 550 LB SUPER 54.6 oz  
WATER \*1 32.0 Ga DCI 128.0 oz

SUB TOTAL  
TAX  
TOTAL

87.10

SLAG

360 LB

I HEREBY AUTHORIZED THE TRUCK (OR TRUCKS) DELIVERY MATERIAL TO THIS JOB TO LEAVE THE ROAD AND DRIVE ONTO PRIVATE PROPERTY AS I DIRECT. IN MAKING THIS AUTHORIZATION I ASSUME RESPONSIBILITY FOR ANY AND ALL DAMAGE THAT MAY BE DONE TO SAID PRIVATE PROPERTY AND TO ANY OTHER PROPERTY ADJACENT TO SAID PROPERTY THAT MAY BE TRESPASSED ON FOLLOWING MY DIRECTIONS. I FURTHER INDEMNIFY ROCKVILLE FUEL & FEED COMPANY, INC. AND THE DRIVER OF THIS TRUCK (THESE TRUCKS) FROM ANY LIABILITY RESULTING FROM THIS AUTHORIZATION.

Wall (with column) 330' level from approx. C1-11 to approx. 11.6 line

CUSTOMER ACKNOWLEDGES AND UNDERSTANDS ALL OF TERMS AND CONDITIONS CONTAINED ON BOTH SIDES OF THIS DOCUMENT.

RECEIVED BY: X

CUSTOMER OR AUTHORIZED SIGNATURE

593

# Silver Spring Transit Center Project

## ② CONCRETE PLACEMENT CHECKLIST / POUR CARD

PROJECT NUMBER: 16027-0- MD

DATE: 2-24-11

WEATHER: CLOUDY TEMP: Air = 39°  
Concrete = 63°

POUR LOCATION: Wall (with column) 330' level from  
approx. C1-11 to approx. 11.6 line

MIX DESIGN: 8000 PSI CUBIC YARDS: 60 cu yds total placed today

CONVEYANCE METHOD: PUMP TRUCK

PLACEMENT TIME: START: 10:01 AM FINISH: 12:15 PM

DELAYS: \_\_\_\_\_

ACTIONS: \_\_\_\_\_

### BALTER VERIFICATION

✓

\_\_\_\_\_

\_\_\_\_\_

✓

\_\_\_\_\_

\_\_\_\_\_

### CONCRETE AND REINFORCEMENT

FORMWORK / SHORING

SUB-GRADE FOR SLABS

FOUNDATION BEARING

REINFORCING STEEL

ELEVATED DECK SLAB

DRILLED PIER/SOLDIER PILE

COMPRESSIVE STRENGTH TEST SPECIMEN DATA

Project: SST Proj. No.: 16027-0-MD Supplier: R.F.F.  
Client: MONTGOMERY County Ticket No.: 94732 Truck No.: 40  
Contractor: FACCHINA Water-Cement Ratio: 0.31  
Sample Location: Wall 330' level on "E" line Mix Number: 81DC2NL  
from approx. 10.1 to 12.3 line Mix Design: 6000PSI  
Method of Placement: PUMP TRUCK Time Batched: 10:37AM  
Slump: 8" inches Batch Size: 10 cu yds  
Water added at site? ☐ Yes,          gallons ☒ No Date Molded: 2-24-11 Time: 11:36 AM  
Specimen made by: BRIAN F / Tom W Date Delivered to Lab:           
Concrete Temperature: 61° °F Unit Weight:          PCF ☒ N/A  
Air Content: 5.5% ☐ N/A Weather: CLOUDY  
Specimen Set No.: 594 Air Temperature: 41° °F  
Test Req'd: At          Days; 1 At 7 days;          At 14 Days; 2 At 28 Days; 1 Reserved  
Remarks: 2=56 DAYS, Revs=265

ROCKVILLE FUEL AND FEED  
PLANT #1 & #2

24Feb11  
10:37AM

Flop Gates.. WET  
Batch#: 1 of 1

Volume: 10.00 yd3  
Truck #: 40

Mix ID: \*81DC2NL  
MIKE GLIDDEN

Mix Desc: 6000 PSB W/AIR/HRWR/1DC  
Ticket # 94732  
FACCHINA CONSTRUCTION CO., INC.  
SILVER SPRING TRANSIT CENTER-750

W/(C+P) Ratio: 0.31

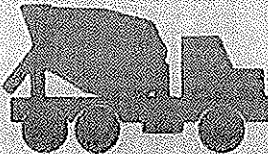
| Material | Design   | Moist  | Target   | Actual   | Free H2O | Status |
|----------|----------|--------|----------|----------|----------|--------|
| CON SAND | 1174 Lb  | 6.3%   | 12529 Lb | 12000 Lb | 789 Lb   | Over   |
| STONE    | 1750 Lb  | 0.0%   | 17641 Lb | 17660 Lb | 141 Lb   | Done   |
| CEMENT   | 451 Lb   | 0.0%   | 4510 Lb  | 4530 Lb  | 0 Lb     | Done   |
| SLAG     | 301 Lb   | 0.0%   | 3010 Lb  | 3020 Lb  | 0 Lb     | Done   |
| AER      | 3.4 oz   | 100.0% | 17 oz    | 18 oz    | 1 Lb     | Done   |
| SUPER    | 38.0 oz  | 100.0% | 380 oz   | 380 oz   | 25 Lb    | Done   |
| WRDA     | 24.0 oz  | 0.0%   | 240 oz   | 239 oz   | 0 Lb     | Done   |
| DCI      | 128.0 oz | 100.0% | 1280 oz  | 1312 oz  | 85 Lb    | Done   |
| WATER    | 31.0 Gal | 100.0% | 150 Gal  | 153 Gal  | 1274 Lb  | Done   |

Ice/Batch 0 Lb Water allowed by mix design: 310 Total Water 270  
Moisture compensation water: 125 Water allowed at jobsite: 32 Gal



# Rockville FUEL & FEED COMPANY, INC.

P.O. Box 1707 2-24-11  
Rockville, MD 20849-1707



READY MIXED CONCRETE

## PLANT LOCATIONS:

Rockville, MD  
College Park, MD  
Columbia, MD

CAUTION: FRESHLY MIXED CONCRETE MAY CAUSE SKIN IRRITATION. AVOID DIRECT CONTACT WHERE POSSIBLE AND WASH EXPOSED SKIN AREAS PROMPTLY WITH WATER. IF ANY CONCRETE GETS INTO THE EYE, RINSE IMMEDIATELY AND REPEATEDLY WITH WATER AND GET PROMPT MEDICAL ATTENTION.

KEEP OUT OF REACH OF CHILDREN

301-762-3988  
1-877-847-RMIX

DATE: 24-Feb-11 6 CYL MAKE 330' level  
TICKET # 94722

CUSTOMER # 7374 CUSTOMER NAME FOCKINGA CONSTRUCTION CO., INC. PROJECT # 3 PROJECT NAME SILVER SPRING TRANSIT CENTER 750

DELIVERY ADDRESS 8404 COLESVILLE ROAD, SILVER SPR MAP LOT/BLOCK P.O. # CUSTOMER JOB NUMBER

INSTRUCTIONS: R/L - E/NORDECK, R/GEORGIA AVE., PASS I-495, R/16TH STREET, L/RT. 410 (EAST-WEST HWY), L/COLESVILLE RD TO JOB ON RIGHT. \*\*\* DRUM ROTATION COUNTER MUST BE WORKING \*\*\*  
USE: SLAB  
SLUMP: 5-8"

PLANT TRUCK # DRIVER ORDER # TIME DUE  
40 MIKE GLIDDEN 8 11:30 AM

LOAD TIME 10:37 AM START POUR  
ARRIVE JOB SITE 11:05 FINISH POUR  
ADDITIONAL WATER ADDED TO THIS CONCRETE WILL REDUCE ITS STRENGTH. ANY WATER ADDED IS AT CUSTOMER'S RISK.  
WATER ADDED ON JOB AT CUSTOMER'S REQUEST: GAL.  
WATER ADDED TO THIS LOAD BY AUTHORITY OF X

| LOAD QUANTITY   | CUMULATIVE QUANTITY | ORDERED QUANTITY | PRODUCT CODE | PRODUCT DESCRIPTION     | UNIT OF MEASURE | UNIT PRICE | AMOUNT |
|---|---------------------|------------------|--------------|-------------------------|-----------------|------------|--------|
| 10.00   | 10.00               | 50.00            | *B10C2NL     | 6000 BBS W/AIR/HRWR/100 | CY              |            |        |
|   |                     | 265              | RED'S        |                         |                 |            |        |
| NOTE: CUMULATIVE QUANTITY VALUES MAY NOT REFLECT ACTUAL YARDS ARRIVED ON JOB. |                     |                  |              |                         |                 |            |        |

CON SAND 1174 LB AEA \*1 3.4 02  
STONE 1750 LB SUPER 38.0 02  
CEMENT 5 451 LB WRDA 24.0 02  
WATER #1 31.0 Ga DCI 128.0 02

SUB TOTAL  
TAX  
TOTAL

SLAB 301 LB

I HEREBY AUTHORIZED THE TRUCK (OR TRUCKS) DELIVERY MATERIAL TO THIS JOB TO LEAVE THE ROAD AND DRIVE ONTO PRIVATE PROPERTY AS I DIRECT. IN MAKING THIS AUTHORIZATION I ASSUME RESPONSIBILITY FOR ANY AND ALL DAMAGE THAT MAY BE DONE TO SAID PRIVATE PROPERTY AND TO ANY OTHER PROPERTY ADJACENT TO SAID PROPERTY THAT MAY BE TRESPASSED ON FOLLOWING MY DIRECTIONS. I FURTHER INDEMNIFY ROCKVILLE FUEL & FEED COMPANY, INC. AND THE DRIVER OF THIS TRUCK (THESE TRUCKS) FROM ANY LIABILITY RESULTING FROM THIS AUTHORIZATION.

Wall 330' level on "E" line from approx 10.1 to 12.3

CUSTOMER ACKNOWLEDGES AND UNDERSTANDS ALL OF TERMS AND CONDITIONS CONTAINED ON BOTH SIDES OF THIS DOCUMENT.

RECEIVED BY: X

CUSTOMER OR AUTHORIZED SIGNATURE

Set #  
594

# Silver Spring Transit Center Project

## ① CONCRETE PLACEMENT CHECKLIST / POUR CARD

PROJECT NUMBER: 16022-0- MD

DATE: 2-24-11

WEATHER: Cloudy TEMP: Air = 41°  
Concrete = 61°

POUR LOCATION: Wall 330' level on "E" line from  
approx 10.1 to 12.3 line

MIX DESIGN: 6000 PSI CUBIC YARDS: 50 cu yds = total placed today

CONVEYANCE METHOD: pump truck

PLACEMENT TIME: START: 11:40am FINISH: 1:17pm

DELAYS:                     

ACTIONS:                     

### BALTER VERIFICATION

✓  
\_\_\_\_\_  
\_\_\_\_\_  
✓  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

### CONCRETE AND REINFORCEMENT

FORMWORK / SHORING  
SUB-GRADE FOR SLABS  
FOUNDATION BEARING  
REINFORCING STEEL  
ELEVATED DECK SLAB  
DRILLED PIER/SOLDIER PILE

THE ROBERT B. BALTER COMPANY  
Geotechnical Engineers

(2)

18 Music Fair Road  
Owings Mills, Maryland 21117

COMPRESSIVE STRENGTH TEST SPECIMEN DATA

Project: SST Proj. No.: 160270-MO  
Client: MONTGOMERY COUNTY  
Contractor: FACHNA  
Sample Location: Wall 330' level, on "E" line  
from approx. 10.1 to 12.3 line  
Method of Placement: PUMP TRUCK  
Slump: 7" inches  
Water added at site? ☒ Yes, 20 gallons, ☐ No  
Specimen made by: BRIAN F / TOM W  
Concrete Temperature: 70° °F  
Air Content: 4.7% ☐ N/A  
Specimen Set No.: 596  
Test Req'd: At Days; 1 At 7 days;  
Remarks: 2 = 56 DAYS, Revs = 170

Supplier: R.F.F.  
Ticket No.: 94743 Truck No.: 81  
Water-Cement Ratio: .31  
Mix Number: 81DC2N1  
Mix Design: 6000 PSI  
Time Batched: 11:45 AM  
Batch Size: 10 cu yds  
Date Molded: 2-24-11 Time: 1:15 PM  
Date Delivered to Lab:  
Unit Weight: PCF ☒ N/A  
Weather: CLOUDY  
Air Temperature: 49° °F  
At 14 Days: 2 At 28 Days: 1 Reserved

ROCKVILLE FUEL AND OIL  
PHONE 414-00

2494611  
11:45 AM

Phone Delivered 461  
BATCHED 11:45 AM

Batched 11:45 AM yds  
Batched 11:45 AM

Mix Design 6000 PSI  
ROBIN FOSTER

Mix Design 6000 PSI 14/01R/HW/1DC  
Ticket # 94743

FACHNA CONSTRUCTION CO., INC.  
SILVER SPRING TRANSIT CENTER 750

Water-Cement Ratio: 0.31

| Material | Design   | Moist  | Target   | Actual   | Free H <sub>2</sub> O | Status |
|----------|----------|--------|----------|----------|-----------------------|--------|
| CONCRETE | 1174 lb  | 6.1%   | 12500 lb | 12540 lb | 763 lb                | Done   |
| STONE    | 1750 lb  | 9.6%   | 17641 lb | 17640 lb | 141 lb                | Done   |
| CEMENT   | 451 lb   | 0.0%   | 4510 lb  | 4510 lb  | 0 lb                  | Done   |
| SLAB     | 301 lb   | 0.0%   | 3010 lb  | 2980 lb  | 0 lb                  | Done   |
| NOA      | 1.4 oz   | 100.0% | 17 oz    | 18 oz    | 1 lb                  | Done   |
| SUPER    | 30.0 oz  | 100.0% | 300 oz   | 300 oz   | 25 lb                 | Done   |
| WROD     | 24.0 oz  | 0.0%   | 240 oz   | 235 oz   | 0 lb                  | Done   |
| DCI      | 120.0 oz | 100.0% | 1200 oz  | 1212 oz  | 35 lb                 | Done   |
| WATER    | 31.0 gal | 100.0% | 150 gal  | 150 gal  | 130 lb                | Done   |

Ice/Batch 0 lb Water allowed by mix design: 310 Total Water 180  
Moisture compensation water: 125 Water allowed at junction: 25 gal

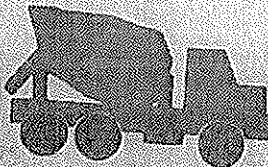
17th TRUCK 6000948  
**ROCKVILLE**

☒ **FUEL & 2-24-11**

**FEED COMPANY, INC.**

P.O. Box 1707  
Rockville, MD 20849-1707

Set 4  
596



REVY=170

CAUTION: FRESHLY MIXED CONCRETE MAY CAUSE SKIN IRRITATION. AVOID DIRECT CONTACT WHERE POSSIBLE AND WAS EXPOSED. SKIN AREAS PROMPTLY WIT WATER. IF ANY CONCRETE GETS INTO TH EYE, RINSE IMMEDIATELY AND REPEATEDL WITH WATER AND GET PROMPT MEDICA ATTENTION.

KEEP OUT OF REACH OF CHILDREN

301-762-398  
1-877-847-RMI

READY MIXED CONCRETE

**PLANT LOCATIONS:**

Rockville, MD  
College Park, MD  
Columbia, MD

CONV=700

Slump=71

AIR=4.7%

TAKEN @ 1:15 PM

DATE

2-24-11

CUSTOMER #

7572

CUSTOMER NAME

ROCKING CONSTRUCTION CO., INC.

PROJECT #

3

PROJECT NAME

SILVER SPRING TRANSIT CENTER 750

TICKET #

347

DELIVERY ADDRESS

8404 COLESVILLE ROAD, SILVER SPR

MAP

LOT/BLOCK

P.O. #

CUSTOMER JOB NUMBER

INSTRUCTIONS

RUL E/NORDECK, R/GEORGIA AVE., PASS 1-495, R/16th STREET.  
1/RT, 410 (EAST-WEST HWY), L/COLESVILLE RD TO JOB ON RIGHT.  
FROM ROTATION COUNTER MUST BE WORKING

USE

SLAB

SLUMP

6.4"

TIME/DUE

12:35

PLANT

TRUCK #

DRIVER

KEVIN FOSTER

LOAD TIME

11:45 AM

START POUR

ORDER #

6

ARRIVE JOB SITE

2:19

FINISH POUR

ADDITIONAL WATER ADDED TO THIS CONCRETE WILL REDUCE ITS STRENGTH.  
ANY WATER ADDED IS AT CUSTOMER'S RISK.

WATER ADDED ON JOB AT CUSTOMER'S REQUEST

WATER ADDED TO THIS LOAD BY AUTHORITY OF X

GAL

LOAD QUANTITY

CUMULATIVE QUANTITY

ORDERED QUANTITY

PRODUCT CODE

PRODUCT DESCRIPTION

UNIT OF MEASURE

UNIT PRICE

AMOUNT

10.00

40.00

50.00

18102M

6000 SFG W/41% HRW/100

CY

H<sub>2</sub>O = 20 GALLONS

NOTE: CUMULATIVE QUANTITY VALUES MAY NOT REFLECT ACTUAL YARDS ARRIVED ON JOB.

CON. SAND

1174 LB

AREA

2.4 sq

STONE

1750 LB

SUBER

38.0 sq

CEMENT

451 LB

WROA

61.0 sq

WATER

31.0 Ga

DET

128.0 sq

SLAB

701 LB

SUB TOTAL

TAX

TOTAL

45.1

I HEREBY AUTHORIZED THE TRUCK (OR TRUCKS) DELIVERY MATERIAL TO THIS JOB TO LEAVE THE ROAD AND DRIVE ONTO PRIVATE PROPERTY AS I DIRECT. IN MAKING THIS AUTHORIZATION I ASSUME RESPONSIBILITY FOR ANY AND ALL DAMAGE THAT MAY BE DONE TO SAID PRIVATE PROPERTY AND TO ANY OTHER PROPERTY ADJACENT TO SAID PROPERTY THAT MAY BE TRESPASSED ON FOLLOWING MY DIRECTIONS. I FURTHER INDEMNIFY ROCKVILLE FUEL & FEED COMPANY, INC. AND THE DRIVER OF THIS TRUCK (THESE TRUCKS) FROM ANY LIABILITY RESULTING FROM THIS AUTHORIZATION.

Wall 330' level on line "E" from approx. 10.1 to 12.3

RECEIVED BY: X

CUSTOMER OR AUTHORIZED SIGNATURE



THE ROBERT B. BALTER COMPANY

# Silver Spring Transit Center Project

Set #  
596

2

## CONCRETE PLACEMENT CHECKLIST / POUR CARD

PROJECT NUMBER: 16027-0- MD  
DATE: 2-24-11  
WEATHER: CLOUDY TEMP: Air = 49°  
Concrete = 70°  
POUR LOCATION: Wall 330' level on "E" line from  
approx. 10.1 to 12.3 line  
MIX DESIGN: 6000 PSI CUBIC YARDS: 50 cu yds = total placed today  
CONVEYANCE METHOD: PUMP TRUCK  
PLACEMENT TIME: START: 11:40am FINISH: 1:17pm  
DELAYS: \_\_\_\_\_  
ACTIONS: \_\_\_\_\_

### BALTER VERIFICATION

✓  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
✓  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

### CONCRETE AND REINFORCEMENT

FORMWORK / SHORING  
SUB-GRADE FOR SLABS  
FOUNDATION BEARING  
REINFORCING STEEL  
ELEVATED DECK SLAB  
DRILLED PIER/SOLDIER PILE

THE ROBERT B. BALTER COMPANY  
Geotechnical Engineers

18 Music Fair Road  
Owings Mills, Maryland 21117

①

COMPRESSIVE STRENGTH TEST SPECIMEN DATA

|   |  |                         |
|---|--|-------------------------|
| Project: <u>SST</u>   | Proj. No.: <u>16027-0-MD</u>   | Supplier: <u>R.F.F.</u> |
| Client: <u>MONTGOMERY County</u>  | Ticket No.: <u>94739</u>   | Truck No.: <u>56</u>    |
| Contractor: <u>FACCHINA</u>   | Water-Cement Ratio: <u>.42</u>   |                         |
| Sample Location: <u>Footing on line "E" from approx. 12.1 to 13.1 line, 330' level</u>                            | Mix Number: <u>4KS25N</u>  |                         |
| Method of Placement: <u>PUMP TRUCK</u>  | Mix Design: <u>4000 PSI</u>  |                         |
| Slump: <u>3"</u> inches   | Time Batched: <u>11:24AM</u>   |                         |
| Water added at site? <input type="checkbox"/> Yes, <u>        </u> gallons <input checked="" type="checkbox"/> No | Batch Size: <u>10</u> cu yds   |                         |
| Specimen made by: <u>BRIAN F / TOM W</u>  | Date Molded: <u>2-24-11</u> Time: <u>12:02PM</u>                         |                         |
| Concrete Temperature: <u>66°</u> °F   | Date Delivered to Lab: <u>        </u>                                   |                         |
| Air Content: <u>4.5%</u> <input type="checkbox"/> N/A   | Unit Weight: <u>        </u> PCF <input checked="" type="checkbox"/> N/A |                         |
| Specimen Set No.: <u>595</u>  | Weather: <u>CLOUDY</u>   |                         |
| Test Req'd: <u>At</u> Days; <u>1</u> At 7 days;   | Air Temperature: <u>45°</u> °F   |                         |
| Remarks: <u>2 = 56 DAYS, Revs = 180</u>   | At 14 Days; <u>2</u> At 28 Days; <u>1</u> Reserved                       |                         |

ROCKVILLE FUEL AND FEED  
PLANT #1 & #2

24Feb11  
11:24AM

Flop Gate: WET  
Batch: 1 of 1

Volume: 10.00 yd3      Mix ID: \*4KS25N  
Truck #: 56      LUIS PEREZ-ORTI

Mix Desc: 4000 PSI ST W/AIR/WR  
Ticket # 94739  
FACCHINA CONSTRUCTION CO., INC.  
SILVER SPRING TRANSIT CENTER-750

W/(C+P) Ratio: 0.42

| Material | Design      | Moist  | Target   | Actual   | Free H2O | Status |
|----------|-------------|--------|----------|----------|----------|--------|
| CON SAND | 1313 Lb     | 6.0%   | 13968 Lb | 13960 Lb | 838 Lb   | Done   |
| STONE    | 1750 Lb     | 0.8%   | 17641 Lb | 17600 Lb | 141 Lb   | Done   |
| CEMENT   | 353 Lb      | 0.0%   | 3530 Lb  | 3510 Lb  | 0 Lb     | Done   |
| SLAG     | 235 Lb      | 0.0%   | 2350 Lb  | 2360 Lb  | 0 Lb     | Done   |
| AEA      | 6.0 oz      | 100.0% | 30 oz    | 30 oz    | 2 Lb     | Done   |
| WRDA     | 18.0 oz     | 0.0%   | 180 oz   | 180 oz   | 0 Lb     | Done   |
| WATER    | *1 32.0 Gal | 100.0% | 172 Gal  | 175 Gal  | 1457 Lb  | Done   |

Ice/Batch 0 Lb      Water allowed by mix design: 320      Total Water 293  
Moisture compensation water: 118      Water allowed at jobsite: 27 Gal

# Rockville FUEL & FEED COMPANY, INC.

P.O. Box 1707 2-24-VI  
Rockville, MD 20849-1707

SET#  
595



READY MIXED CONCRETE

## PLANT LOCATIONS:

Rockville, MD  
College Park, MD  
Columbia, MD

REV#-180

CONTEMP=66

CONTEMP=45

SLUMP=3"

ALL=4.5%

TAKEN 012:22pm

CAUTION: FRESHLY MIXED CONCRETE MAY CAUSE SKIN IRRITATION. AVOID DIRECT CONTACT WHERE POSSIBLE AND WASH EXPOSED SKIN AREAS PROMPTLY WITH WATER. IF ANY CONCRETE GETS INTO THE EYE, RINSE IMMEDIATELY AND REPEATEDLY WITH WATER AND GET PROMPT MEDICAL ATTENTION.

KEEP OUT OF REACH OF CHILDREN

301-762-3988  
1-877-847-RMIX

|                   |            |                   |
|-------------------|------------|-------------------|
| DATE<br>24-Feb-11 | 6 CYL MADE | TICKET #<br>34739 |
|-------------------|------------|-------------------|

|                    |  |                |  |
|--------------------|--|----------------|--|
| CUSTOMER #<br>7572 | CUSTOMER NAME<br>FACCHINA CONSTRUCTION CO., INC. | PROJECT #<br>3 | PROJECT NAME<br>SILVER SPRING TRANSIT CENTER-750 |
|--------------------|--|----------------|--|

|  |     |           |        |                     |
|--|-----|-----------|--------|---------------------|
| DELIVERY ADDRESS<br>8404 COLESVILLE ROAD, SILVER SPR | MAP | LOT/BLOCK | P.O. # | CUSTOMER JOB NUMBER |
|--|-----|-----------|--------|---------------------|

|  |                |
|--|----------------|
| INSTRUCTIONS<br>AVL - E/NORBECK, R/GEORGIA AVE., PASS I-495, R/15th STREET,<br>L/RT 410 (EAST-WEST HWY), L/COLESVILLE RD TO JOB ON RIGHT.<br>*** DRUM ROTATION COUNTER MUST BE WORKING *** | USE<br>FOOTING |
|--|----------------|

|       |               |                            |                |                   |
|-------|---------------|----------------------------|----------------|-------------------|
| PLANT | TRUCK #<br>56 | DRIVER<br>LUIS PEREZ-ORTIZ | ORDER #<br>120 | TIME DUE<br>12:15 |
|-------|---------------|----------------------------|----------------|-------------------|

|                      |            |   |
|----------------------|------------|---|
| LOAD TIME<br>11:24AM | START POUR | ADDITIONAL WATER ADDED TO THIS CONCRETE WILL REDUCE ITS STRENGTH.<br>ANY WATER ADDED IS AT CUSTOMER'S RISK. |
|----------------------|------------|---|

|                          |             |   |
|--------------------------|-------------|---|
| ARRIVE JOB SITE<br>11:55 | FINISH POUR | WATER ADDED ON JOB AT CUSTOMER'S REQUEST _____ GAL. |
|--------------------------|-------------|---|

|  |  |
|--|--|
| WATER ADDED TO THIS LOAD BY AUTHORITY OF X _____ |  |
|--|--|

| LOAD QUANTITY | CUMULATIVE QUANTITY | ORDERED QUANTITY | PRODUCT CODE | PRODUCT DESCRIPTION  | UNIT OF MEASURE | UNIT PRICE | AMOUNT |
|---------------|---------------------|------------------|--------------|----------------------|-----------------|------------|--------|
| 10.00         | 10.00               | 20.00            | *4K825N      | 4000 PSI BT W/AIR/WR | CY              |            |        |

|           |            |      |    |         |  |           |  |
|-----------|------------|------|----|---------|--|-----------|--|
| CON. SAND | 1313 Lb    | AEA  | *1 | 6.0 oz  |  |           |  |
| STONE     | 1750 Lb    | WRDA |    | 18.0 oz |  |           |  |
| CEMENT    | 353 Lb     |      |    |         |  |           |  |
| WATER     | *1 32.0 Ga |      |    |         |  |           |  |
| SLAG      | 235 Lb     |      |    |         |  |           |  |
|           |            |      |    |         |  | SUB TOTAL |  |
|           |            |      |    |         |  | TAX       |  |
|           |            |      |    |         |  | TOTAL     |  |

I HEREBY AUTHORIZED THE TRUCK (OR TRUCKS) DELIVERY MATERIAL TO THIS JOB TO LEAVE THE ROAD AND DRIVE ONTO PRIVATE PROPERTY AS I DIRECT. IN MAKING THIS AUTHORIZATION I ASSUME RESPONSIBILITY FOR ANY AND ALL DAMAGE THAT MAY BE DONE TO SAID PRIVATE PROPERTY AND TO ANY OTHER PROPERTY ADJACENT TO SAID PROPERTY THAT MAY BE TRESPASSED ON FOLLOWING MY DIRECTIONS. I FURTHER INDEMNIFY ROCKVILLE FUEL & FEED COMPANY, INC. AND THE DRIVER OF THIS TRUCK (THESE TRUCKS) FROM ANY LIABILITY RESULTING FROM THIS AUTHORIZATION.

Footing on line "E" from approx. 12.1 to 13.1 line, 330' level

CUSTOMER ACKNOWLEDGES AND UNDERSTANDS ALL OF TERMS AND CONDITIONS CONTAINED ON BOTH SIDES OF THIS DOCUMENT.

RECEIVED BY: X

CUSTOMER OR AUTHORIZED SIGNATURE



THE ROBERT B. BALTER COMPANY

# Silver Spring Transit Center Project

Set #  
595

## ① CONCRETE PLACEMENT CHECKLIST / POUR CARD

PROJECT NUMBER: 16022-0- MD

DATE: 2-24-11

WEATHER: CLOUDY TEMP: Air = 66°  
Concrete = 45°

POUR LOCATION: Footings on line "E" from approx 12.1 to  
13.1 line, 330' level

MIX DESIGN: 4000 PSI CUBIC YARDS: 30 cu yds = total placed today

CONVEYANCE METHOD: PUMP TRUCK

PLACEMENT TIME: START: 12:30pm FINISH: 1:30 PM

DELAYS: \_\_\_\_\_

ACTIONS: \_\_\_\_\_

### BALTER VERIFICATION

✓

\_\_\_\_\_

\_\_\_\_\_

✓

\_\_\_\_\_

\_\_\_\_\_

### CONCRETE AND REINFORCMENT

FORMWORK / SHORING

SUB-GRADE FOR SLABS

FOUNDATION BEARING

REINFORCING STEEL

ELEVATED DECK SLAB

DRILLED PIER/SOLDIER PILE

THE ROBERT E. BALTER COMPANY  
Geotechnical Engineers

28 Music Fair Road  
Owings Mills, Maryland 21117

# COMPRESSIVE STRENGTH TEST SPECIMEN DATA

Project: SST Proj. No.: 16027-0-MD Supplier: R.F.F.  
 Client: MONTGOMERY COUNTY Ticket No.: 94748 Truck No.: 43  
 Contractor: FACCHINA Water-Cement Ratio: .36  
 Sample Location: Parapet (knee wall) 350' Mix Number: 45K1D2N  
level from A-4 to A-6 Mix Design: 4500PSI  
 Method of Placement: CRANE/BUCKET Time Batched: 12:19pm  
 Slump: 4.5" inches Batch Size: 10 cu yds  
 Water added at site? ☐ Yes, \_\_\_\_\_ gallons ☒ No Date Molded: 2-24-11 Time: 1:24pm  
 Specimen made by: BRYAN F / TOM W Date Delivered to Lab: \_\_\_\_\_  
 Concrete Temperature: 70° °F Unit Weight: \_\_\_\_\_ PCF ☒ N/A  
 Air Content: 4.6% ☐ N/A Weather: CLOUDY  
 Specimen Set No.: 597 Air Temperature: 49° °F  
 Test Req'd: At Days; 1 At 7 days; \_\_\_\_\_ At 14 Days; 2 At 28 Days; 1 Reserved  
 Remarks: 2 = 56 DAYS, Reus = 195

ROCKVILLE FUEL AND FEED  
PLANT #1 & #2

24Feb11  
12:19PM

Flop Gate:.. WET  
Batch:.. 1 of 1

Volume: 10.00 yd3  
Truck #:... 43

Mix ID: \*45K1D2N  
RONY ALVARADO

Mix Desc:.. 4500 PSI W/AIR/WR/1DCI  
Ticket # 94748  
FACCHINA CONSTRUCTION CO., INC.  
SILVER SPRING TRANSIT CENTER-750

W/(C+P) Ratio: 0.36

| Material | Design   | Moist  | Target   | Actual   | Free H2O | Status |
|----------|----------|--------|----------|----------|----------|--------|
| CON_SAND | 1166 Lb  | 5.6%   | 12352 Lb | 12340 Lb | 692 Lb   | Done   |
| STONE    | 1750 Lb  | 0.8%   | 17641 Lb | 17720 Lb | 141 Lb   | Done   |
| CEMENT   | 423 Lb   | 0.0%   | 4230 Lb  | 4220 Lb  | 0 Lb     | Done   |
| SLAG     | 282 Lb   | 0.0%   | 2820 Lb  | 2810 Lb  | 0 Lb     | Done   |
| AEA      | 6.0 oz   | 100.0% | 30 oz    | 31 oz    | 2 Lb     | Done   |
| DCI      | 128.0 oz | 100.0% | 1280 oz  | 1312 oz  | 85 Lb    | Done   |
| WRDA     | 21.0 oz  | 0.0%   | 210 oz   | 210 oz   | 0 Lb     | Done   |
| WATER    | 33.2 Gal | 100.0% | 192 Gal  | 194 Gal  | 1616 Lb  | Done   |

Ice/Batch 0 Lb Water allowed by mix design: 332 Total Water 304  
 Moisture compensation water: 110 Water allowed at jobsite: 28 Gal

# 145 TRUCK 4500PSI **ROCKVILLE FUEL & FEED COMPANY, INC.**

P.O. Box 1707 2-24-11  
Rockville, MD 20849-1707

Set #  
597



REV# 195

W/Temp = 49.0

CON Temp = 70.0

Slump = 4.5"

AIR = 4.6%

TAKE @ 1:24pm

CAUTION: FRESHLY MIXED CONCRETE MAY CAUSE SKIN IRRITATION. AVOID DIRECT CONTACT WHERE POSSIBLE AND WASH EXPOSED SKIN AREAS PROMPTLY WITH WATER. IF ANY CONCRETE GETS INTO THE EYE, RINSE IMMEDIATELY AND REPEATEDLY WITH WATER AND GET PROMPT MEDICAL ATTENTION.  
**KEEP OUT OF REACH OF CHILDREN**

301-762-3988  
1-877-847-RMIX

DATE

24-Feb-11

60YD MADE

READY MIXED CONCRETE

## **PLANT LOCATIONS:**

Rockville, MD  
College Park, MD  
Columbia, MD

TICKET #

34748

| CUSTOMER # | CUSTOMER NAME                  | PROJECT # | PROJECT NAME                     |
|------------|--------------------------------|-----------|----------------------------------|
| 7872       | PACKING CONSTRUCTION CO., INC. | 3         | SILVER SPRING TRANSIT CENTER-750 |

| DELIVERY ADDRESS                 | MAP | LOT/BLOCK | P.O. # | CUSTOMER JOB NUMBER |
|----------------------------------|-----|-----------|--------|---------------------|
| 8404 COLESVILLE ROAD, SILVER SPR |     |           |        |                     |

| INSTRUCTIONS  | USE         |
|---|-------------|
| R/L E/NORDECK, R/GEORGIA AVE., PASS 1-495, R/16th STREET, L/R/ 410 (EAST-WEST HWY), L/COLESVILLE RD TO JOB ON RIGHT.<br>*** DRUM ROTATION COUNTER MUST BE WORKING *** | WALL        |
|   | SLUMP: 3-5" |

| PLANT | TRUCK # | DRIVER        | ORDER # | TIME DUE |
|-------|---------|---------------|---------|----------|
| 1     | 43      | RONY ALVARADO | 35      | 1:30pm   |

| LOAD TIME       | START POUR  | ADDITIONAL WATER ADDED TO THIS CONCRETE WILL REDUCE ITS STRENGTH. ANY WATER ADDED IS AT CUSTOMER'S RISK. |
|-----------------|-------------|--|
| 12:19PM         | 12:55       |  |
| ARRIVE JOB SITE | FINISH POUR | WATER ADDED ON JOB AT CUSTOMER'S REQUEST _____ GAL.  |
| 12:50           |             | WATER ADDED TO THIS LOAD BY AUTHORITY OF X _____   |

| LOAD QUANTITY   | CUMULATIVE QUANTITY | ORDERED QUANTITY | PRODUCT CODE | PRODUCT DESCRIPTION    | UNIT OF MEASURE | UNIT PRICE | AMOUNT |
|---|---------------------|------------------|--------------|------------------------|-----------------|------------|--------|
| 10.00   | 10.00               | 20.00            | *45K102N     | 4500 PSI W/AIR/WR/1DC1 | CY              |            |        |
| NOTE: CUMULATIVE QUANTITY VALUES MAY NOT REFLECT ACTUAL YARDS ARRIVED ON JOB. |                     |                  |              |                        |                 |            |        |

|           |            |      |    |          |                           |
|-----------|------------|------|----|----------|---------------------------|
| CON. SAND | 1166 Lb    | AEA  | *1 | 5.0 02   | SUB TOTAL<br>TAX<br>TOTAL |
| STONE     | 1750 Lb    | DCI  |    | 128.0 02 |                           |
| CEMENT    | 423 Lb     | WRDA |    | 21.0 02  |                           |
| WATER     | *1 33.2 Ga |      |    |          |                           |
| SLAG      | 282 Lb     |      |    |          |                           |

Counter  
195

I HEREBY AUTHORIZED THE TRUCK (OR TRUCKS) DELIVERY MATERIAL TO THIS JOB TO LEAVE THE ROAD AND DRIVE ONTO PRIVATE PROPERTY AS I DIRECT. IN MAKING THIS AUTHORIZATION I ASSUME RESPONSIBILITY FOR ANY AND ALL DAMAGE THAT MAY BE DONE TO SAID PRIVATE PROPERTY AND TO ANY OTHER PROPERTY ADJACENT TO SAID PROPERTY THAT MAY BE TRESPASSED ON FOLLOWING MY DIRECTIONS. I FURTHER INDEMNIFY ROCKVILLE FUEL & FEED COMPANY, INC. AND THE DRIVER OF THIS TRUCK (THESE TRUCKS) FROM ANY LIABILITY RESULTING FROM THIS AUTHORIZATION.

Parapet (Knee wall) 350' levelx from A4 to A-6

CUSTOMER ACKNOWLEDGES AND UNDERSTANDS ALL OF TERMS AND CONDITIONS CONTAINED ON BOTH SIDES OF THIS DOCUMENT.

RECEIVED BY: X

CUSTOMER OR AUTHORIZED SIGNATURE

## Silver Spring Transit Center Project

SETH  
597① CONCRETE PLACEMENT CHECKLIST / POUR CARDPROJECT NUMBER: 16027-0- MDDATE: 2-24-11WEATHER: CLOUDY TEMP: Air = 49°  
Concrete = 70°POUR LOCATION: Parapet (Knee Wall) 350' leve from  
A-4 to A-6MIX DESIGN: 4500 PSI CUBIC YARDS: 20 <sup>cu</sup> <sub>yds</sub> = total placed todayCONVEYANCE METHOD: CRANE / BUCKETPLACEMENT TIME: START: 1:30pm FINISH: 2:00pm

DELAYS: \_\_\_\_\_

ACTIONS: \_\_\_\_\_

BALTER VERIFICATION✓

\_\_\_\_\_

\_\_\_\_\_

✓

\_\_\_\_\_

\_\_\_\_\_

CONCRETE AND REINFORCMENT

FORMWORK / SHORING

SUB-GRADE FOR SLABS

FOUNDATION BEARING

REINFORCING STEEL

ELEVATED DECK SLAB

DRILLED PIER/SOLDIER PILE

THE ROBERT B. BALTER COMPANY

## Silver Spring Transit Center Project

### CONCRETE TESTING INFORMATION

| Specimen Set # | Date     | Truck # | Ticket # | Slump     | Air % | Concrete Temp. | Air Temp. |
|----------------|----------|---------|----------|-----------|-------|----------------|-----------|
| 415( )         | 11-12-10 | 59      | 89725    | 7.5"      | 6.0%  | 65°            | 33°       |
| 416( )         | 11-12-10 | 29      | 89730    | 7"        | 5.0%  | 61°            | 34°       |
| 417( )         | 11-12-10 | 29      | 89730    | 7.5"      | 5.5%  | 61°            | 34°       |
| 418( )         | 11-12-10 | 76      | 89739    | 7.5"      | 5.1%  | 60°            | 36°       |
| 419( )         | 11-12-10 | 77      | 89748    | 8"        | 4.4%  | 65°            | 39°       |
| 420( )         | 11-12-10 | 58      | 89755    | 8"        | 4.9%  | 62°            | 41°       |
| 421( )         | 11-12-10 | 51      | 89765    | 8"        | 4.2%  | 61°            | 42°       |
| 422( )         | 11-12-10 | 59      | 89771    | 7"        | 4.3%  | 66°            | 43°       |
| 423( )         | 11-12-10 | 77      | 89782    | 8"        | 4.4%  | 63°            | 44°       |
| 424( )         | 11-12-10 | 69      | 89793    | 8"        | 4.6%  | 63°            | 49°       |
| 425( )         | 11-12-10 | 69      | 89793    | 8"        | 5.0%  | 64°            | 49°       |
| 426( )         | 11-17-10 | 67      | 90122    |           | 4.6%  | 63°            | 58°       |
| 427( )         | 11-18-10 | 42      | 90165    | * 27 3/4" | N/A   | 62°            | 41°       |
| 428( )         | 11-18-10 | 411     | 90168    | * 29"     | N/A   | 64°            | 50°       |
| 429( )         | 11-19-10 | 75      | 90234    | 8"        | 5.1%  | 60°            | 45°       |
| 430( )         | 11-19-10 | 40      | 90246    | 8"        | 4.1%  | 66°            | 48°       |
| 431( )         | 11-24-10 | 60      | 90572    | 7"        | 5.0%  | 62°            | 42°       |
| 432( )         | 12-7-10  | 67      | 91088    | 8"        | 6.3%  | 54°            | 26°       |
| 433( )         | 12-7-10  | 67      | 91088    | 8"        | 5.1%  | 56°            | 25°       |
| 434( )         | 12-7-10  | 76      | 91091    | 8"        | 6.8%  | 54°            | 25°       |
| 435( )         | 12-7-10  | 410     | 91096    | 7 1/4"    | 5.0%  | 60°            | 25°       |
| 436( )         | 12-7-10  | 60      | 91102    | 7 1/4"    | 4.0%  | 60°            | 25°       |

\* Slump Flow Test (ASTM C-1611)

THE ROBERT B. BALTER COMPANY

## Silver Spring Transit Center Project

### CONCRETE TESTING INFORMATION

| Specimen Set # | Date    | Truck # | Ticket # | Slump  | Air % | Concrete Temp. | Air Temp. |
|----------------|---------|---------|----------|--------|-------|----------------|-----------|
| 437 ( )        | 12-7-10 | 59      | 91111    | 8"     | 5.5%  | 60°            | 25°       |
| 438 ( )        | 12-7-10 | 77      | 91120    | 8"     | 5.7%  | 63°            | 24°       |
| 439 ( )        | 12-7-10 | 83      | 91125    | 8"     | 5.9%  | 62°            | 24°       |
| 440 ( )        | 12-7-10 | 58      | 91130    | 8"     | 5.1%  | 62°            | 25°       |
| 441 ( )        | 12-7-10 | 59      | 91136    | 8"     | 4.9%  | 61°            | 26°       |
| 442 ( )        | 12-7-10 | 67°     | 91141    | 8"     | 4.5%  | 62°            | 26°       |
| 443 ( )        | 12-7-10 | 77      | 91147    | 7.5"   | 4.4%  | 62°            | 26°       |
| 444 ( )        | 12-7-10 | 69      | 91152    | 7.5"   | 5.1%  | 65°            | 26°       |
| 445 ( )        | 12-7-10 | 69      | 91152    | 8"     | 4.6%  | 63°            | 25°       |
| 446 ( )        | 12-7-10 | 47      | 91160    | 8"     | 5.3%  | 63°            | 26°       |
| 447 ( )        | 12-7-10 | 80      | 91162    | 8"     | 5.1%  | 62°            | 26°       |
| 448 ( )        | 12-7-10 | 67      | 91171    | 8"     | 4.5%  | 67°            | 28°       |
| 449 ( )        | 12-7-10 | 74      | 91176    | 8"     | 4.2%  | 69°            | 29°       |
| 450 ( )        | 12-7-10 | 82      | 91182    | 8"     | 6.0%  | 65°            | 28°       |
| 451 ( )        | 12-7-10 | 26      | 91188    | 8"     | 4.0%  | 63°            | 28°       |
| 452 ( )        | 12-7-10 | 37      | 91194    | 8"     | 4.3%  | 63°            | 28°       |
| 453 ( )        | 12-7-10 | 32      | 91206    | 7.5"   | 5.5%  | 67°            | 28°       |
| 454 ( )        | 12-7-10 | 75      | 91215    | 7 3/4" | 4.5%  | 62°            | 29°       |
| 455 ( )        | 12-7-10 | 26      | 91225    | 7 3/4" | 4.9%  | 64°            | 29°       |
| 456 ( )        | 12-7-10 | 51      | 91232    | 7.5"   | 4.4%  | 65°            | 29°       |
| 457 ( )        | 12-7-10 | 35      | 91244    | 8"     | 4.9%  | 61°            | 28°       |
| 458 ( )        | 12-7-10 | 37      | ?        | 7"     | 4.7%  | 63             | 27°       |
| 459 ( )        | 12-7-10 | 37      | ?        | 7"     | 4.2%  | 64°            | 26°       |

\* Slump Flow Test (ASTM C-1611)

THE ROBERT B. BALTER COMPANY

## Silver Spring Transit Center Project

### CONCRETE TESTING INFORMATION

| Specimen<br>set # | Date     | Truck # | Ticket # | Slump | Air % | Concrete<br>Temp. | Air<br>Temp |
|-------------------|----------|---------|----------|-------|-------|-------------------|-------------|
| 460 ( )           | 12-10-10 | 27      | 91399    | 8"    | 6.2%  | 60°               | 24°         |
| 461 ( )           | 12-10-10 | 30      | 91403    | 8"    | 5.1%  | 60°               | 24°         |
| 462 ( )           | 12-10-10 | 83      | 91423    | 8"    | 4.5%  | 60°               | 27°         |
| 463 ( )           | 12-10-10 | 26      | 91444    | 7.5"  | 4.6%  | 60°               | 27°         |
| 464 ( )           | 12-9-10  | 43      | 91329    | 7.5"  | 6.1%  | 65°               | 28°         |
| 465 ( )           | 12-9-10  | 410     | 91340    | 4"    | 6.4%  | 67°               | 32°         |
| 466 ( )           | 12-16-10 | 3600216 | 65349618 | 8"    | 6.5%  | 60°               | 20°         |
| 467 ( )           | 12-17-10 | 3600046 | 65349644 | 8"    | 4.9%  | 65°               | 30°         |
| 468 ( )           | 12-20-10 | 67      | 91818    | 6.5"  | 5.1%  | 55°               | 19°         |
| 469 ( )           | 12-20-10 | 67      | 91818    | 7.5"  | 5.3%  | 57°               | 19°         |
| 470 ( )           | 12-20-10 | 74      | 91821    | 7.5"  | 6.2%  | 55°               | 19°         |
| 471 ( )           | 12-20-10 | 79      | 91826    | 7.5"  | 6.5%  | 58°               | 18°         |
| 472 ( )           | 12-20-10 | 84      | 91832    | 7.5"  | 4.1%  | 55°               | 19°         |
| 473 ( )           | 12-20-10 | 77      | 91837    | 7"    | 6.2%  | 55°               | 20°         |
| 474 ( )           | 12-20-10 | 77      | 91837    | 8"    | 5.7%  | 58°               | 19°         |
| 475 ( )           | 12-20-10 | 83      | 91843    | 8"    | 5.5%  | 55°               | 21°         |
| 476 ( )           | 12-20-10 | 79      | 91849    | 7"    | 5.6%  | 61°               | 21°         |
| 477 ( )           | 12-20-10 | 32      | 91855    | 7.5"  | 5.9%  | 61°               | 21°         |
| 478 ( )           | 12-20-10 | 37      | 91862    | 8"    | 6.9%  | 61°               | 22°         |
| 479 ( )           | 12-20-10 | 56      | 91881    | 6"    | 4.0%  | 62°               | 22°         |
| 480 ( )           | 12-20-10 | 79      | 91883    | 7"    | 5.7%  | 60°               | 22°         |
| 481 ( )           | 12-20-10 | 79      | 91883    | 7.5"  | 5.9%  | 61°               | 22°         |
| 482 ( )           | 12-20-10 | 43      | 91889    | 7.5"  | 5.5%  | 61°               | 23°         |



THE ROBERT B. BALTER COMPANY

Silver Spring Transit Center Project

CONCRETE TESTING INFORMATION

| Specimen<br>Set # | Date     | Truck # | Ticket # | Slump     | Air % | Concrete<br>Temp. | Air<br>Temp |
|-------------------|----------|---------|----------|-----------|-------|-------------------|-------------|
| 483 ( )           | 12-20-10 | 84      | 91904    | 7"        | 6.5%  | 60°               | 24°         |
| 484 ( )           | 12-20-10 | 34      | 91907    | 8"        | 6.0%  | 62°               | 23°         |
| 485 ( )           | 12-20-10 | 65      | 91916    | 8"        | 5.7%  | 65°               | 25°         |
| 486 ( )           | 12-21-10 | 410     | 91974    | * 26 1/2" | N/A   | 62°               | 31°         |
| 487 ( )           | 12-21-10 | 206     | 65349710 | 8"        | 6.2%  | 62°               | 36°         |
| 488 ( )           | 12-22-10 | 130     | 6534936  | 8"        | 7.0%  | 57°               | 28°         |
| 489 ( )           | 12-22-10 | 205     | 65349758 | 7.5"      | 6.0%  | 63°               | 30°         |
| 490 ( )           | 12-23-10 | 67      | 92111    | 5.0"      | 5.1%  | 58°               | 32°         |
| 491 ( )           | 12-28-10 | 81      | 479530   | 4.0"      | 5.0%  | 55°               | 39°         |
| 492 ( )           | 12-29-10 | 52      | 92216    | 7.0"      | 5.6%  | 65°               | 37°         |
| 493 ( )           | 12-30-10 |         |          |           |       |                   |             |
| 494 ( )           | 12-30-10 |         |          |           |       |                   |             |
| 495 ( )           | 12-30-10 |         |          |           |       |                   |             |
| 496 ( )           | 12-30-10 |         |          |           |       |                   |             |
| 497 ( )           | 12-30-10 |         |          |           |       |                   |             |
| 498 ( )           | 12-30-10 |         |          |           |       |                   |             |
| 499 ( )           | 12-30-10 |         |          |           |       |                   |             |
| 500 ( )           | 12-30-10 |         |          |           |       |                   |             |
| 501 ( )           | 12-30-10 |         |          |           |       |                   |             |
| 502 ( )           | 12-30-10 |         |          |           |       |                   |             |
| 503 ( )           | 12-30-10 |         |          |           |       |                   |             |
| 504 ( )           | 12-30-10 |         |          |           |       |                   |             |
| 505 ( )           | 12-30-10 |         |          |           |       |                   |             |

\* Slump Flow Test (ASTM C-111)

# Silver Spring Transit Center Project

## CONCRETE TESTING INFORMATION

| Specimen Set # | Date    | Truck # | Ticket # | Slump | Air % | Concrete Temp. | Air Temp. |
|----------------|---------|---------|----------|-------|-------|----------------|-----------|
| 506 ( )        | 1-3-11  | 40      | 92406    | * 30" | N/A   | 60°            | 31°       |
| 507 ( )        | 1-3-11  | 76      | 92439    | 8"    | 5.4%  | 60°            | 36°       |
| 508 ( )        | 1-4-11  | 79      | 92489    | * 23" | N/A   | 65°            | 31°       |
| 509 ( )        | 1-4-11  | 82      | 92504    | 7.5"  | 6.2%  | 67°            | 40°       |
| 510 ( )        | 1-5-11  | 81      | 92532    | 5"    | 5.0%  | 65°            | 36°       |
| 511 ( )        | 1-5-11  | 74      | 92544    | 6"    | 4.9%  | 65°            | 37°       |
| 512 ( )        | 1-7-11  | 67      | 92665    | 6"    | 5.0%  | 61°            | 32°       |
| 513 ( )        | 1-12-11 | 77      | 92825    | 5"    | 4.5%  | 66°            | 32°       |
| 514 ( )        | 1-12-11 | 81      | 92832    | 8"    | 6.5%  | 61°            | 32°       |
| 515 ( )        | 1-14-11 | 67      | 92950    | 7"    | 4.5%  | 61°            | 18°       |
| 516 ( )        | 1-14-11 | 67      | 92950    | 8"    | 4.3%  | 62°            | 18°       |
| 517 ( )        | 1-14-11 | 77      | 92953    | 7"    | 5.4%  | 60°            | 18°       |
| 518 ( )        | 1-14-11 | 81      | 92958    | 8"    | 6.2%  | 59°            | 18°       |
| 519 ( )        | 1-14-11 | 83      | 92963    | 8"    | 5.4%  | 59°            | 18°       |
| 520 ( )        | 1-14-11 | 409     | 92968    | 8"    | 6.0%  | 54°            | 19°       |
| 521 ( )        | 1-14-11 | 77      | 92973    | 8"    | 6.3%  | 57°            | 20°       |
| 522 ( )        | 1-14-11 | 81      | 92978    | 8"    | 5.6%  | 56°            | 23°       |
| 523 ( )        | 1-14-11 | 81      | 92978    | 8"    | 5.4%  | 57°            | 24°       |
| 524 ( )        | 1-14-11 | 59      | 92983    | 7"    | 5.7%  | 55°            | 24°       |
| 525 ( )        | 1-14-11 | 58      | 92990    | 8"    | 6.5%  | 59°            | 24°       |
| 526 ( )        | 1-14-11 | 65      | 92995    | 8"    | 5.3%  | 54°            | 24°       |
| 527 ( )        | 1-14-11 | 76      | 93009    | 8"    | 4.5%  | 55°            | 25°       |

\* Slump Flow Test (ASTM C-1611)

THE ROBERT B. BALTER COMPANY

Silver Spring Transit Center Project

CONCRETE TESTING INFORMATION

| Specimen Set # | Date    | Truck # | Ticket # | Slump  | Air % | Concrete Temp. | Air Temp. |
|----------------|---------|---------|----------|--------|-------|----------------|-----------|
| 528 ( )        | 1-14-11 | 62      | 93019    | 8"     | 5.4%  | 56°            | 27°       |
| 529 ( )        | 1-14-11 | 32      | 93034    | 7"     | 5.2%  | 56°            | 31°       |
| 530 ( )        | 1-14-11 | 53      | 93043    | 6 3/4" | 6.2%  | 60°            | 32°       |
| 531 ( )        | 1-14-11 | 61      | 93055    | 7"     | 4.8%  | 63°            | 32°       |
| 532 ( )        | 1-14-11 | 61      | 93093    | 8"     | 5.1%  | 62°            | 32°       |
| 533 ( )        | 1-19-11 | 78      | 93167    | 5"     | 5.4%  | 62°            | 40°       |
| 534 ( )        | 1-31-11 | 67      | 93509    | 7"     | 6.2%  | 53°            | 30°       |
| 535 ( )        | 1-31-11 | 67      | 93509    | 8"     | 6.0%  | 54°            | 30°       |
| 536 ( )        | 1-31-11 | 77      | 93512    | 7 1/2" | 6.1%  | 53°            | 30°       |
| 537 ( )        | 1-31-11 | 69      | 93517    | 8"     | 4.7%  | 53°            | 30°       |
| 538 ( )        | 1-31-11 | 83      | 93522    | 8"     | 5.1%  | 58°            | 30°       |
| 539 ( )        | 1-31-11 | 409     | 93527    | 7 1/2" | 5.1%  | 55°            | 30°       |
| 540 ( )        | 1-31-11 | 75      | 93532    | 8"     | 5.9%  | 57°            | 30°       |
| 541 ( )        | 1-31-11 | 82      | 93538    | 7 1/2" | 5.4%  | 56°            | 30°       |
| 542 ( )        | 1-31-11 | 82      | 93538    | 8"     | 5.0%  | 58°            | 30°       |
| 543 ( )        | 1-31-11 | 79      | 93543    | 7"     | 5.2%  | 54°            | 30°       |
| 544 ( )        | 1-31-11 | 57      | 93555    | 7 1/4" | 7.0%  | 55°            | 30°       |
| 545 ( )        | 1-31-11 | 68      | 93561    | 8"     | 5.9%  | 59°            | 30°       |
| 546 ( )        | 1-31-11 | 80      | 93574    | 8"     | 5.6%  | 57°            | 30°       |
| 547 ( )        | 1-31-11 | 66      | 93584    | 8"     | 6.8%  | 60°            | 30°       |
| 548 ( )        | 1-31-11 | 57      | 93600    | 8"     | 7.0%  | 60°            | 30°       |
| 549 ( )        | 1-31-11 | 57      | 93600    | 7"     | 6.7%  | 60°            | 30°       |
| 550 ( )        | 1-31-11 | 68      | 93606    | 8"     | 5.2%  | 61°            | 30°       |

\* Slump Flow Test (ASTM C-1611)

THE ROBERT B. BALTER COMPANY

Silver Spring Transit Center Project

CONCRETE TESTING INFORMATION

| Specimen<br>set # | Date    | Truck # | Ticket # | Slump  | Air % | Concrete<br>Temp. | Air<br>Temp. |
|-------------------|---------|---------|----------|--------|-------|-------------------|--------------|
| 551 ( )           | 2-2-11  | 65      | 93678    | 4 1/2" | 4.7%  | 58°               | 38°          |
| 552 ( )           | 2-7-11  | 74      | 93827    | 4 1/2" | 4.9%  | 68°               | 45°          |
| 553 ( )           | 2-8-11  | 67      | 93856    | 7"     | 5.5%  | 68°               | 37°          |
| 554 ( )           | 2-8-11  | 67      | 93856    | 7 1/4" | 5.0%  | 70°               | 37°          |
| 555 ( )           | 2-8-11  | 77      | 93860    | 7"     | 5.5%  | 67°               | 37°          |
| 556 ( )           | 2-8-11  | 58      | 93865    | 7"     | 5.0%  | 65°               | 37°          |
| 557 ( )           | 2-8-11  | 62      | 93870    | 8"     | 5.1%  | 58°               | 35°          |
| 558 ( )           | 2-8-11  | 79      | 93876    | 7"     | 5.2%  | 58°               | 36°          |
| 559 ( )           | 2-8-11  | 68      | 93882    | 7"     | 6.5%  | 61°               | 30°          |
| 560 ( )           | 2-8-11  | 69      | 93889    | 8"     | 4.5%  | 63°               | 30°          |
| 561 ( )           | 2-8-11  | 69      | 93889    | 7.5"   | 4.3%  | 65°               | 30°          |
| 562 ( )           | 2-8-11  | 81      | 93895    | 8"     | 6.2%  | 64°               | 30°          |
| 563 ( )           | 2-8-11  | 40      | 93902    | 7"     | 6.9%  | 59°               | 30°          |
| 564 ( )           | 2-8-11  | 35      | 93908    | 7"     | 4.9%  | 61°               | 30°          |
| 565 ( )           | 2-8-11  | 61      | 93913    | 7.5"   | 4.9%  | 65°               | 30°          |
| 566 ( )           | 2-8-11  | 61      | 93913    | 7.5"   | 4.8%  | 68°               | 30°          |
| 567 ( )           | 2-10-11 | 77      | 94027    | 4 1/2" | 4.9%  | 59°               | 25°          |
| 568 ( )           | 2-11-11 | 40      | 94095    | 8"     | 6.1%  | 58°               | 32°          |
| 569 ( )           | 2-15-11 | 67      | 479774   | 4 1/2" | 6.9%  | 62°               | 36°          |
| 570 ( )           | 2-15-11 | 63      | 94248    | 6 1/2" | 6.5%  | 62°               | 40°          |
| 571 ( )           | 2-15-11 | 77      | 94257    | 7"     | 4.8%  | 72°               | 40°          |
| 572 ( )           | 2-17-11 | 59      | 94366    | 4"     | 4.5%  | 78°               | 64°          |

THE ROBERT B. BALTER COMPANY

Silver Spring Transit Center Project

CONCRETE TESTING INFORMATION

| Specimen<br>set # | Date    | Truck # | Ticket # | Slump  | Air % | Concrete<br>Temp. | Air<br>Temp. |
|-------------------|---------|---------|----------|--------|-------|-------------------|--------------|
| 573 ( )           | 2-18-11 | 65      | 94393    | 7 1/2" | 4.9%  | 70°               | 57°          |
| 574 ( )           | 2-18-11 | 65      | 94393    | 8"     | 4.4%  | 72°               | 57°          |
| 575 ( )           | 2-18-11 | 75      | 94397    | 7 1/2" | 4.8%  | 70°               | 57°          |
| 576 ( )           | 2-18-11 | 84      | 94402    | 8"     | 5.3%  | 68°               | 58°          |
| 577 ( )           | 2-18-11 | 82      | 94407    | 7"     | 5.8%  | 71°               | 58°          |
| 578 ( )           | 2-18-11 | 62      | 94412    | 8"     | 4.3%  | 68°               | 58°          |
| 579 ( )           | 2-18-11 | 77      | 94417    | 7"     | 4.8%  | 65°               | 58°          |
| 580 ( )           | 2-18-11 | 84      | 94422    | 8"     | 4.9%  | 64°               | 59°          |
| 581 ( )           | 2-18-11 | 84      | 94422    | 8"     | 4.6%  | 65°               | 59°          |
| 582 ( )           | 2-18-11 | 58      | 94427    | 7"     | 4.6%  | 68°               | 59°          |
| 583 ( )           | 2-18-11 | 28      | 94433    | 7 1/2" | 4.7%  | 65°               | 60°          |
| 584 ( )           | 2-18-11 | 69      | 94439    | 7 1/4" | 4.8%  | 68°               | 60°          |
| 585 ( )           | 2-18-11 | 34      | 94450    | 7 1/2" | 5.8%  | 68°               | 60°          |
| 586 ( )           | 2-18-11 | 40      | 94459    | 8"     | 4.8%  | 65°               | 60°          |
| 587 ( )           | 2-18-11 | 58      | 94464    | 8"     | 4.9%  | 68°               | 60°          |
| 588 ( )           | 2-18-11 | 411     | 94476    | 7 1/2" | 4.8%  | 65°               | 61°          |
| 589 ( )           | 2-18-11 | 411     | 94476    | 7"     | 4.5%  | 66°               | 61°          |
| 590 ( )           | 2-21-11 | 59      | 94555    | 4"     | 5.4%  | 63°               | 45°          |
| 591 ( )           | 2-22-11 | 65      | 94583    | 4"     | 5.2%  | 62°               | 34°          |
|                   |         |         |          |        |       |                   |              |
|                   |         |         |          |        |       |                   |              |
|                   |         |         |          |        |       |                   |              |

## Geotechnical Engineers

18 Music Fair Road, Owings Mills, MD 21117

# CONCRETE SLAB TEMPERATURE REPORT

Project: Silver Spring Transit

Contract No. 16027-0

Date: 12-8-10

Placement ID: \_\_\_\_\_

[illegible]

**THE ROBERT B. BALTER COMPANY**  
Geotechnical Engineers

**410-363-1555**  
**18 Music Fair Road, Owings Mills, MD 21117**

# CONCRETE SLAB TEMPERATURE REPORT

Project: Silver Spring Transit

Contract No. 16027-0

Date: 12.9.10

Placement ID: Deck Pour for 2B level 3E

| Time   | Location in placement                       | Concrete Temperature | Weather/Ambient Temperature |
|--|---|----------------------|-----------------------------|
| 7:01 AM  | DECK POUR 2B 350' LEVEL #1 LOCATION         | 94°                  | CLEAR 24°                   |
| 7:03 AM  | DECK POUR 2B 350' LEVEL #2 LOCATION         | 106°                 | CLEAR 24°                   |
| 7:11 AM  | UNDER 2B 350' LEVEL FORMWORK TEMP           | 74°                  | CLEAR 24°                   |
| 7:19 AM  | UNDER STEPS                                 | 64°/40°              | CLEAR 24°                   |
| 7:22 AM  | SHED  | 88°/70°              | CLEAR 24°                   |
|  |   |                      |                             |
| 4:02 PM  | Curing Shed                                 | 94°/74°              | clear 34°                   |
| 4:03 PM  | under steps Field Cured                     | 80°/50°              | clear 34°                   |
| 4:10 PM  | underside of deck pour for 2B level 350'    | 77°                  | clear 34°                   |
| 4:12 PM  | Curing box for field Cured for deck pour 2B | 52°                  | clear 34°                   |
| <p>*Note: The (2) afternoon temps. for surface of deck pour for 2B level 350' were unable to be taken, due to thermome being broken by construction traffic.</p> |   |                      |                             |



## Geotechnical Engineers

410-363-1555

18 Music Fair Road, Owings Mills, MD 21117

# CONCRETE SLAB TEMPERATURE REPORT

Project: Silver Spring Transit

Contract No. 16027-0

Date: 12-10-10

Placement ID: \_\_\_\_\_

[illegible]

**THE ROBERT B. BALTER COMPANY**  
Geotechnical Engineers

**410-363-1555**  
**18 Music Fair Road, Owings Mills, MD 21117**

# CONCRETE SLAB TEMPERATURE REPORT

Project: Silver Spring TransitContract No. 16027-0

Date: 12-13-10

Placement ID: Temps. for  
pour 2B level 350'

[illegible]

**THE ROBERT B. BALTER COMPANY**  
Geotechnical Engineers

410-363-1555

**18 Music Fair Road, Owings Mills, MD 21117**

## CONCRETE SLAB TEMPERATURE REPORT

Project: Silver Spring Transit

Contract No. 16027-0

Date: 12-14-10

Placement ID:

| Time    | Location in placement                        | Concrete Temperature | Weather/Ambient Temperature |
|---------|--|----------------------|-----------------------------|
| 7:02 AM | POUR 2B 350' LEVEL 1 <sup>ST</sup> LOCATION  | 54°/44°              | SUNNY/WINDY 22°             |
| 7:06 AM | POUR 2B 350' LEVEL 2 <sup>ND</sup> LOCATION  | 74°/61°              | SUNNY/WINDY 22°             |
| 7:10 AM | CURSING BOX ON 350' LEVEL                    | 40°/24°              | SUNNY/WINDY 22°             |
| 7:15 AM | UNDER 2B 350' LEVEL (FORMWORK TEMP)          | 38°                  | SUNNY/WINDY 22°             |
| 7:30 AM | CURSING SHED                                 | 74°/72°              | SUNNY/WINDY 22°             |
| 7:31 AM | UNDER STEPS (FIELD CURE)                     | 78°/58°              | SUNNY/WINDY 22°             |
| 7:21 AM | POUR 1EB 330' LEVEL 1 <sup>ST</sup> LOCATION | 76°/54°              | SUNNY/WINDY 22°             |
| 7:28 AM | POUR 1EB 330' LEVEL 2 <sup>ND</sup> LOCATION | 71°/54°              | SUNNY/WINDY 22°             |
| 7:39 AM | UNDER 1EB 330' LEVEL (FORMWORK TEMP)         | 64°                  | SUNNY/WINDY 22°             |
|         |  |                      |                             |
|         | POUR 2B 350' LEVEL 1 <sup>ST</sup> LOCATION  | N/A                  | SUNNY/WINDY 29°             |
|         | POUR 2B 350' LEVEL 2 <sup>ND</sup> LOCATION  | N/A                  | SUNNY/WINDY 29°             |
|         | CURSING BOX ON 350' LEVEL                    | N/A                  | SUNNY/WINDY 29°             |
|         | UNDER 2B 350' LEVEL (FORMWORK TEMP)          | N/A                  | SUNNY/WINDY 29°             |
|         | CURSING SHED                                 | 84°/70°              | SUNNY/WINDY 29°             |
|         | UNDER STEPS (FIELD CURE)                     | 67°                  | SUNNY/WINDY 29°             |
|         |  |                      |                             |
|         | POUR 1EB 330' LEVEL 1 <sup>ST</sup> LOCATION | N/A                  | SUNNY/WINDY 29°             |
|         | POUR 1EB 330' LEVEL 2 <sup>ND</sup> LOCATION | N/A                  | SUNNY/WINDY 29°             |
|         | UNDER 1EB 330' LEVEL (FORMWORK TEMP)         | N/A                  | SUNNY/WINDY 29°             |

\* Heat turned off under deck, stopped monitoring temps.

## Geotechnical Engineers

410-363-1555

18 Music Fair Road, Owings Mills, MD 21117

# CONCRETE SLAB TEMPERATURE REPORT

Project: Silver Spring Transit

Contract No. 16027-0

Date: 12-21-10

Placement ID: Deck pour ID level 330'

[illegible]

410-363-1555

18 Music Fair Road, Owings Mills, MD 21117

# CONCRETE SLAB TEMPERATURE REPORT

Project: Silver Spring Transit

Contract No. 16027-0

Date: 12-22-10

Placement ID: \_\_\_\_\_

[illegible]

**THE ROBERT B. BALTER COMPANY**  
Geotechnical Engineers

**410-363-1555**  
**18 Music Fair Road, Owings Mills, MD 21117**

# CONCRETE SLAB TEMPERATURE REPORT

Project: Silver Spring Transit

Contract No. 16027-0

Date: 12/23/2010

Placement ID: 1D, level 330

[illegible]

**THE ROBERT B. BALTER COMPANY**  
Geotechnical Engineers

410-363-1555  
18 Music Fair Road, Owings Mills, MD 21117

# CONCRETE SLAB TEMPERATURE REPORT

Project: Silver Spring Transit

Contract No. 16027-0

Date: 1-3-2011

Placement ID: 1F, level 330'

[illegible]

\* H<sub>2</sub>/Lows OVER HOLIDAY WEEKEND



## Geotechnical Engineers

18 Music Fair Road, Owings Mills, MD 21117

# CONCRETE SLAB TEMPERATURE REPORT

Project: Silver Spring Transit

Contract No. 16027-0

Date: 1/17/2011

Placement ID: 2C level 350'

[illegible]

THE ROBERT B. BALTER COMPANY

## Geotechnical Engineers

410-363-1555

18 Music Fair Road, Owings Mills, MD 21117

# CONCRETE SLAB TEMPERATURE REPORT

Project: Silver Spring Transit

Contract No. 16027-0

Date: 2-1-11

Placement ID: 213

[illegible]

SPICE 15

**THE ROBERT B. BALTER COMPANY**  
Geotechnical Engineers

**410-363-1555**  
18 Music Fair Road, Owings Mills, MD 21117

# CONCRETE SLAB TEMPERATURE REPORT

Project: Silver Spring Transit

Contract No. 16027-0

Date: 2-2-11

Placement ID: 2D[illegible]

CONCRETE SLAB TEMPERATURE REPORT

Project: Silver Spring Transit

Contract No. 16027-0

Date: 2-3-11

Placement ID: 2D 350' level

| Time        | Location in placement               | Temperature | Weather/Ambient Temperature |
|-------------|-------------------------------------|-------------|-----------------------------|
| 07:30 AM    | Top of concrete slab, lines 2.3-A.2 | 78-82       | Sunny 30                    |
| 07:30 AM    | Top of concrete slab, lines 1.2-A.4 | 72-79       | Sunny 30                    |
| 07:30 AM    | Top of concrete slab, lines 2.3-A.8 | 76-81       | Sunny 30                    |
| 07:30:00 AM | Curing shed                         | 68-74       | Inside room                 |
| 07:30:00 AM | Water curing tank                   | 72-72       | Inside tank                 |
| 07:30:00 AM | Form work under deck, lines 2.3-A.2 | 83          | Inside protected area       |
| 07:30:00 AM | Form work under deck, lines 1.2-A.4 | 88          | Inside protected area       |
| 07:30:00 AM | Form work under deck, lines 2.3-A.8 | 83          | Inside protected area       |
| 03:00:00 PM | Top of concrete slab, lines 2.3-A.2 | 84-90       | P. Cloudy 30                |
| 03:00:00 PM | Top of concrete slab, lines 1.2-A.4 | 82-89       | P. Cloudy 30                |
| 03:00:00 PM | Top of concrete slab, lines 2.3-A.8 | 64-81       | P. Cloudy 30                |
| 03:00:00 PM | Curing shed                         | 69-79       | Inside room                 |
| 03:00:00 PM | Water curing tank                   | 72-72       | Inside tank                 |
| 03:00:00 PM | Form work under deck, lines 2.3-A.2 | 60          | Inside protected area       |
| 03:00:00 PM | Form work under deck, lines 1.2-A.4 | 57          | Inside protected area       |
| 03:00:00 PM | Form work under deck, lines 2.3-A.8 | 52          | Inside protected area       |
|             |                                     |             |                             |
|             |                                     |             |                             |
|             |                                     |             |                             |
|             |                                     |             |                             |

**THE ROBERT B. BALTER COMPANY**  
Geotechnical Engineers

**410-363-1555**  
18 Music Fair Road, Owings Mills, MD 21117

# CONCRETE SLAB TEMPERATURE REPORT

Project: Silver Spring Transit

Contract No. 16027-0

Date: 2/9/2011

Placement ID: 1G, level 330'

[illegible]

**THE ROBERT B. BALTER COMPANY**  
Geotechnical Engineers

410-363-1555

**18 Music Fair Road, Owings Mills, MD 21117**

# CONCRETE SLAB TEMPERATURE REPORT

Project: Silver Spring Transit

Contract No. 16027-0

Date: 2/10/2011

Placement ID: 1G level 330'

[illegible]

**410-363-1555**  
**18 Music Fair Road, Owings Mills, MD 21117**

Project: Silver Spring Transit

Date: 2/11/2011

[illegible]



**THE ROBERT B. BALTER COMPANY**  
Geotechnical Engineers

**410-363-1555**  
**18 Music Fair Road, Owings Mills, MD 21117**

# CONCRETE SLAB TEMPERATURE REPORT

Project: Silver Spring Transit

Contract No. 16027-0

Date: 2-19-11

Placement ID: 1H, level 330'

[illegible]

**THE ROBERT B. BALTER COMPANY**  
Geotechnical Engineers

**410-363-1555**  
**18 Music Fair Road, Owings Mills, MD 21117**

# CONCRETE SLAB TEMPERATURE REPORT

Project: Silver Spring TransitContract No. 16027-0

Date: 2-21-11

Placement ID: 1H

[illegible]

# Facchina

CONSTRUCTION COMPANY, INC.

## Cable Count By Tendon

### Pour 1F

Initial by each tendon and print name below

| Pour 1F Beams |         | Installed By: | Verified By: | Verified By: |
|---------------|---------|---------------|--------------|--------------|
| Tendon        | Strands | R&R           | FCC          | Balter       |
| BT13          | ✓ √ 7   |               |              | J. Welk      |
| BT14A         | ✓ √ 11  |               |              | J. Welk      |
| BT14B         | ✓ √ 11  |               |              | J. Welk      |
| BT15(1)       | ✓ √ 14  |               |              | J. Welk      |
| BT15(2)       | ✓ √ 14  |               |              | J. Welk      |
| BT15(3)       | ✓ √ 14  |               |              | J. Welk      |
| BT15(4)       | ✓ √ 14  |               |              | J. Welk      |
| BT16          | ✓ √ 10  |               |              | J. Welk      |

| Pour 1F Girders |        |         | Installed By: | Verified By: | Verified By: |
|-----------------|--------|---------|---------------|--------------|--------------|
| Girder          | Tendon | Strands | R&R           | FCC          | Balter       |
| PG14            | GT1    | ✓ √ 22  |               |              | J. Welk      |
|                 | GT2    | ✓ √ 22  |               |              | J. Welk      |
|                 | GT3    | ✓ √ 18  |               |              | J. Welk      |
|                 | GT4    | ✓ √ 18  |               |              | J. Welk      |
| PG5             | GT1    | ✓ √ 31  |               |              | J. Welk      |
|                 | GT2    | ✓ √ 31  |               |              | J. Welk      |
|                 | GT3    | ✓ √ 31  |               |              | J. Welk      |
| PG10            | GT5    | ✓ √ 21  |               |              | J. Welk      |
|                 | GT6    | ✓ √ 21  |               |              | J. Welk      |
|                 | GT7    | ✓ √ 22  |               |              | J. Welk      |

Print Name

Print Name

Print Name

John J. Welk

# Facchina

CONSTRUCTION COMPANY, INC.

## Silver Spring Transit Center

Pre-Pour Cable Count By Tendon  
Pour 2C 350' level

Initial by each tendon and print name below

| Pour 2C Beams |        |     | Installed By: | Verified By: | Verified By: |
|---------------|--------|-----|---------------|--------------|--------------|
| Tendon        | Stands | R&R | FCC           | Balter       |              |
| BT1           | 7      | MS  | AW            | BP           |              |
| BT2A          | 7      | MS  | AW            | BP           |              |
| BT2C          | 2      | MS  | AW            | BP           |              |
| BT3           | 14     | MS  | AW            | BP           |              |
| BT4(1)        | 14     | MS  | AW            | BP           |              |
| BT4(2)        | 14     | MS  | AW            | BP           |              |
| BT2B          | 8      | MS  | AW            | BP           |              |
| BT7           | 14     | MS  | AW            | BP           |              |
| BT4(3)        | 14     | MS  | AW            | BP           |              |
| BT4(4)        | 14     | MS  | AW            | BP           |              |
| BT5           | 12     | MS  | AW            | BP           |              |
| BT6           | 19     | MS  | AW            | BP           |              |
| BT8           | 17     | MS  | AW            | BP           |              |

| Pour 2C Girders |        |         | Installed By: | Verified By: | Verified By: |
|-----------------|--------|---------|---------------|--------------|--------------|
| Girder          | Tendon | Strands | R&R           | FCC          | Balter       |
| PG-45           | GT1    | 31      | MS            | AW           | BP           |
|                 | GT2    | 31      | MS            | AW           | BP           |
|                 | GT3    | 17      | MS            | AW           | BP           |
| PG-43           | GT1    | 30      | MS            | AW           | BP           |
|                 | GT2    | 21      | MS            | AW           | BP           |
|                 | GT3    | 21      | MS            | AW           | BP           |
|                 |        |         |               |              |              |
|                 |        |         |               |              |              |
|                 |        |         |               |              |              |
|                 |        |         |               |              |              |
|                 |        |         |               |              |              |
|                 |        |         |               |              |              |

MIGUEL SUARES

ALPHONSE VIOSEN

MS

AW

BP Brady Payer

Print Name

Print Name

Print Name

1/13/11

# Facchina

CONSTRUCTION COMPANY, INC.

## Silver Spring Transit Center

Pre-Pour Cable Count By Tendon

Pour 1G 330' level

2-7-11

Initial by each tendon and print name below

| Pour 1G Beams |         | Installed By: |     | Verified By: |
|---------------|---------|---------------|-----|--------------|
| Tendon        | Strands | R&R           | FCC | Balter       |
| BT1 (1)       | 16      |               |     | BP           |
| BT1 (2)       | 16      |               |     | BP           |
| BT1 (3)       | 16      |               |     | BP           |
| BT1 (4)       | 16      |               |     | BP           |
| BT2           | 12      |               |     | BP           |
| BT3           | 14      |               |     | BP           |
|               |         |               |     |              |
|               |         |               |     |              |
|               |         |               |     |              |
|               |         |               |     |              |
|               |         |               |     |              |
|               |         |               |     |              |
|               |         |               |     |              |
|               |         |               |     |              |

| Pour 1G Girders |        |         | Installed By: |     | Verified By: |
|-----------------|--------|---------|---------------|-----|--------------|
| Girder          | Tendon | Strands | R&R           | FCC | Balter       |
| PG-2            | GT4    | 21      |               |     | BP           |
|                 | GT5    | 21      |               |     | BP           |
|                 | GT6    | 21      |               |     | BP           |
| PG-5            | GT1    | 31      |               |     | BP           |
|                 | GT2    | 31      |               |     | BP           |
|                 | GT3    | 31      |               |     | BP           |
| PG-6            | GT5    | 21      |               |     | BP           |
|                 | GT6    | 21      |               |     | BP           |
|                 | GT7    | 21      |               |     | BP           |
|                 | GT8    | 10      |               |     | BP           |
|                 |        | 0       |               |     |              |
|                 |        | 0       |               |     |              |

Print Name

Print Name

Print Name

*Brady Payer*



## Silver Spring Transit Center

### Pre-Pour Cable Count By Tendon Pour 1H

Initial by each tendon and print name below

| Pour 1H Beams |         | Installed By: | Verified By: | Verified By: |
|---------------|---------|---------------|--------------|--------------|
| Tendon        | Strands | R&R           | FCC          | Balter       |
| BT4           | 14      | J.A           | AW           | T.L.         |
| BT5           | 15      | J.A           | AW           | T.L.         |
| BT6           | 15      | J.A           | AW           | T.L.         |
| BT7           | 15      | J.A           | AW           | T.L.         |
| BT8           | 17      | J.A           | AW           | T.L.         |
| BT9           | 10      | J.A           | AW           | T.L.         |
|               |         |               |              |              |
|               |         |               |              |              |
|               |         |               |              |              |
|               |         |               |              |              |
|               |         |               |              |              |
|               |         |               |              |              |
|               |         |               |              |              |
|               |         |               |              |              |

| Pour 1H Girders |        |         | Installed By: | Verified By: | Verified By: |
|-----------------|--------|---------|---------------|--------------|--------------|
| Girder          | Tendon | Strands | R&R           | FCC          | Balter       |
| PG-1            | GT1    | 22      | J.A           | AW           | T.L.         |
|                 | GT2    | 19      | J.A           | AW           | T.L.         |
|                 | GT3    | 19      | J.A           | AW           | T.L.         |
| PG-30           | GT1    | 19      | J.A           | AW           | T.L.         |
|                 | GT2    | 18      | J.A           | AW           | T.L.         |
|                 | GT3    | 7       | J.A           | AW           | T.L.         |
| PG-33           | GT1    | 22      | J.A           | AW           | T.L.         |
|                 | GT2    | 19      | J.A           | AW           | T.L.         |
|                 | GT3    | 17      | J.A           | AW           | T.L.         |
|                 | GT4    | 19      | J.A           | AW           | T.L.         |
|                 | GT5    | 22      | J.A           | AW           | T.L.         |
| PG-31           | GT1    | 17      | J.A           | AW           | T.L.         |
|                 | GT2    | 17      | J.A           | AW           | T.L.         |
| PG-32           | GT1    | 12      | J.A           | AW           | T.L.         |
|                 | GT2    | 12      | J.A           | AW           | T.L.         |
|                 |        |         |               |              |              |

Print Name

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Tony Lord

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## Silver Spring Transit Center

### Pre-Pour Cable Count By Tendon

#### Pour 2D

Initial by each tendon and print name below

| Pour 2D Beams |         |  | Installed By: | Verified By: | Verified By: |
|---------------|---------|--|---------------|--------------|--------------|
| Tendon        | Strands |  | R&R           | FCC          | Balter       |
| BT9           | ✓ 6     |  |               |              | T.L.         |
| BT10          | ✓ 13    |  |               |              | T.L.         |
| BT11          | ✓ 15    |  |               |              | T.L.         |
| BT12          | ✓ 16    |  |               |              | T.L.         |
| BT13          | ✓ 15    |  |               |              | T.L.         |
| BT14          | ✓ 13    |  |               |              | T.L.         |
| BT15          | ✓ 17    |  |               |              | T.L.         |
| BT16          | ✓ 17    |  |               |              | T.L.         |
| BT17          | ✓ 3     |  |               |              | T.L.         |
| BT18          | ✓ 7     |  |               |              | T.L.         |
| BT19          | ✓ 14    |  |               |              | T.L.         |
|               |         |  |               |              |              |
|               |         |  |               |              |              |

| D Girders |         |  | Installed By: | Verified By: | Verified By: |
|-----------|---------|--|---------------|--------------|--------------|
| Tendon    | Strands |  | R&R           | FCC          | Balter       |
| GT1       | ✓ 30    |  |               |              | T.L.         |
| GT2       | ✓ 18    |  |               |              | T.L.         |
| GT3       | ✓ 18    |  |               |              | T.L.         |
| GT1       | ✓ 18    |  |               |              | T.L.         |
| GT2       | ✓ 18    |  |               |              | T.L.         |
| GT3       | ✓ 18    |  |               |              | T.L.         |
| GT1       | ✓ 17    |  |               |              | T.L.         |
| GT2       | ✓ 17    |  |               |              | T.L.         |
| GT1       | ✓ 17    |  |               |              | T.L.         |
| GT2       | ✓ 17    |  |               |              | T.L.         |
| GT1       | ✓ 12    |  |               |              | T.L.         |
| GT2       | ✓ 5     |  |               |              | T.L.         |

Print Name

Print Name

Print Name

*Tony Lovat*